

Fig. 1A

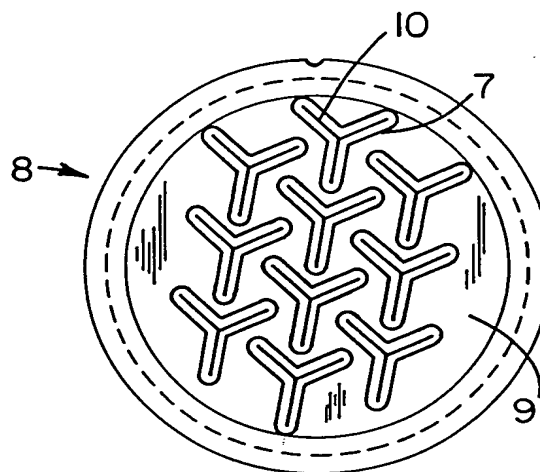


Fig. 1C

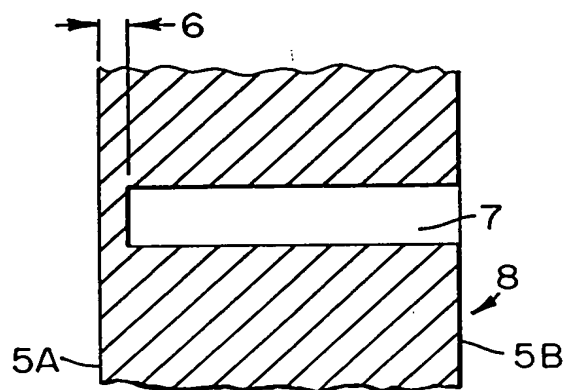


Fig. 1B

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

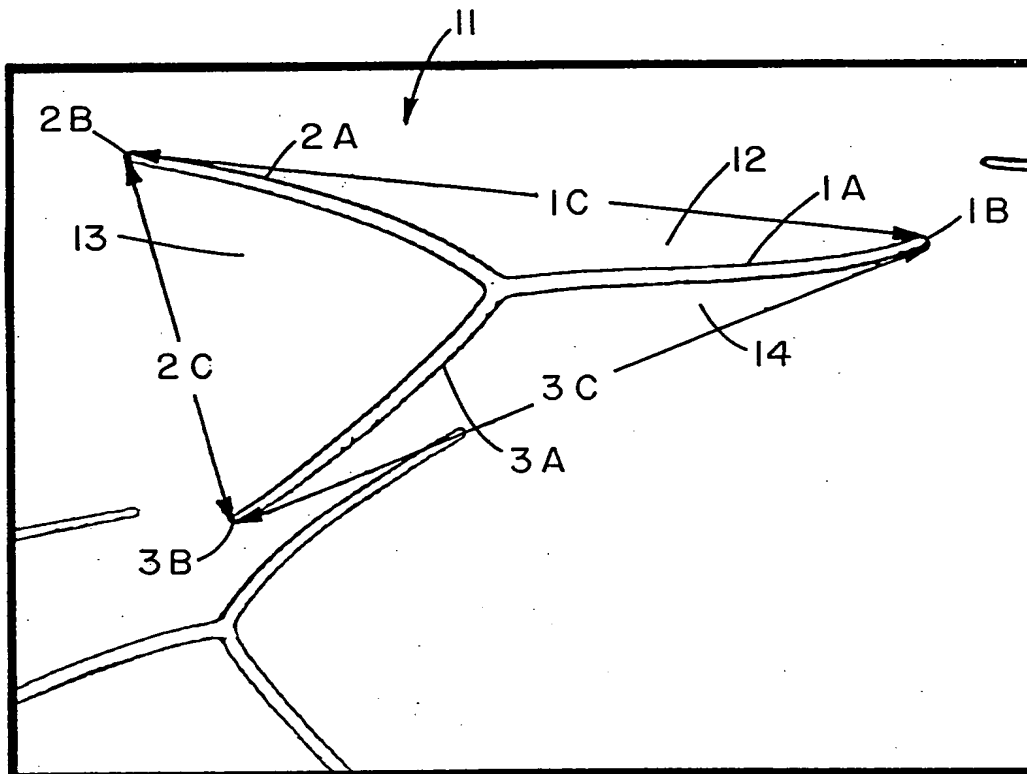


Fig. 2

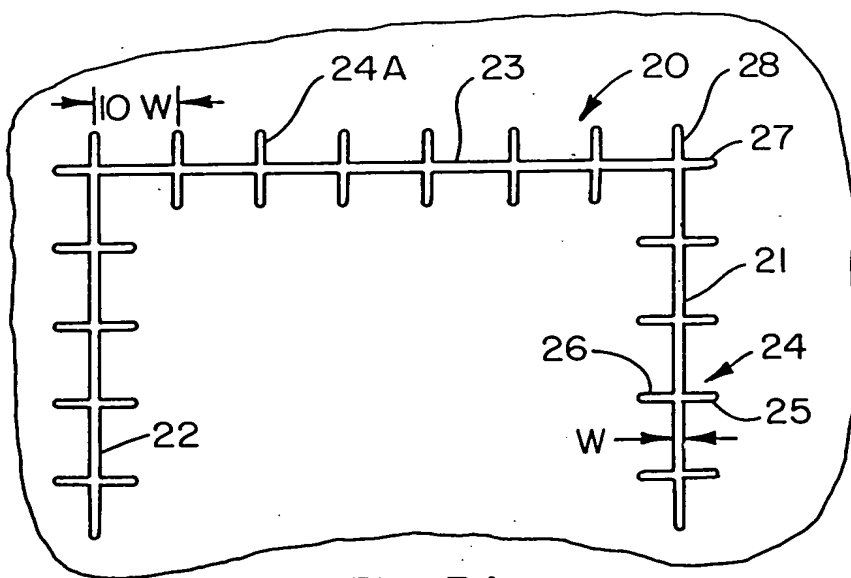


Fig. 3A

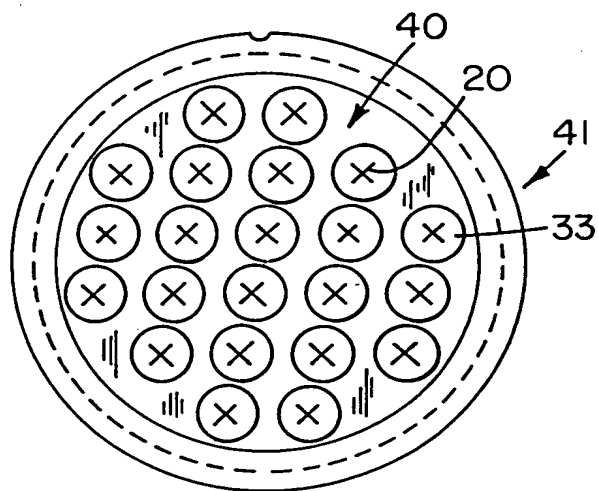


Fig. 3C

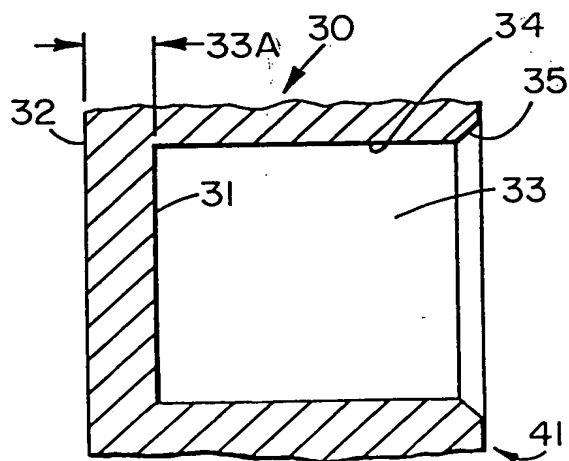


Fig. 3B

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

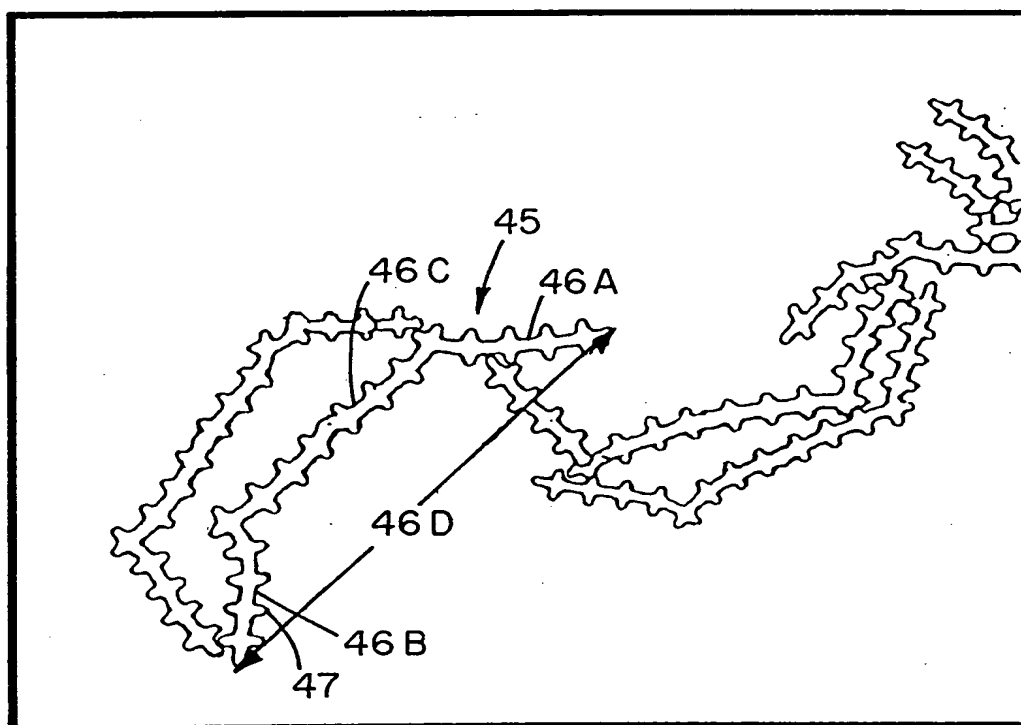


Fig. 4

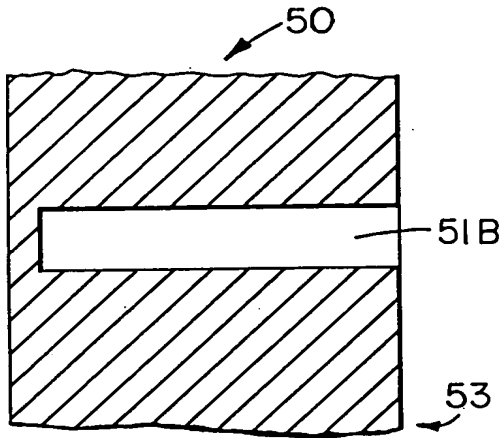


Fig. 5A

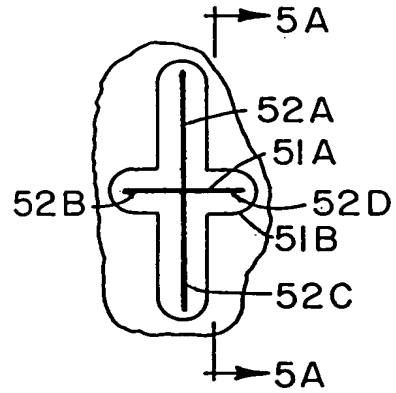


Fig. 5B

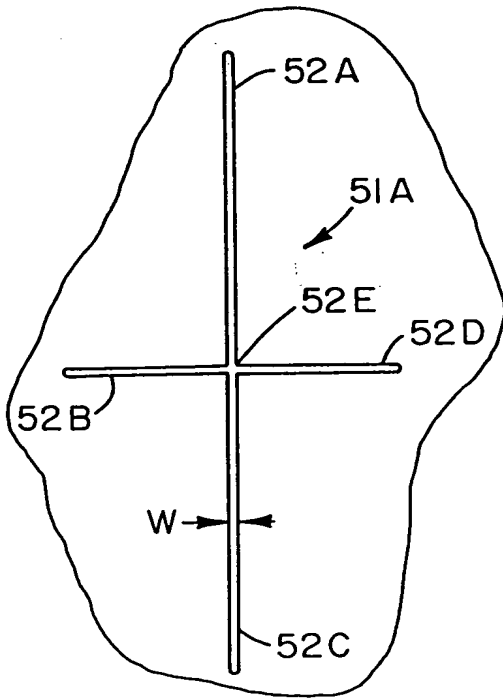


Fig. 5C

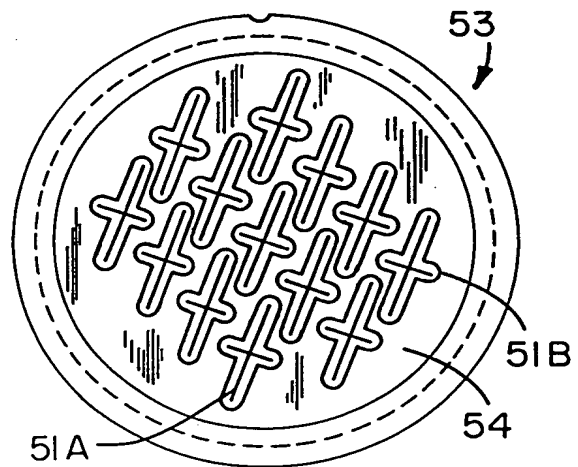


Fig. 5D

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

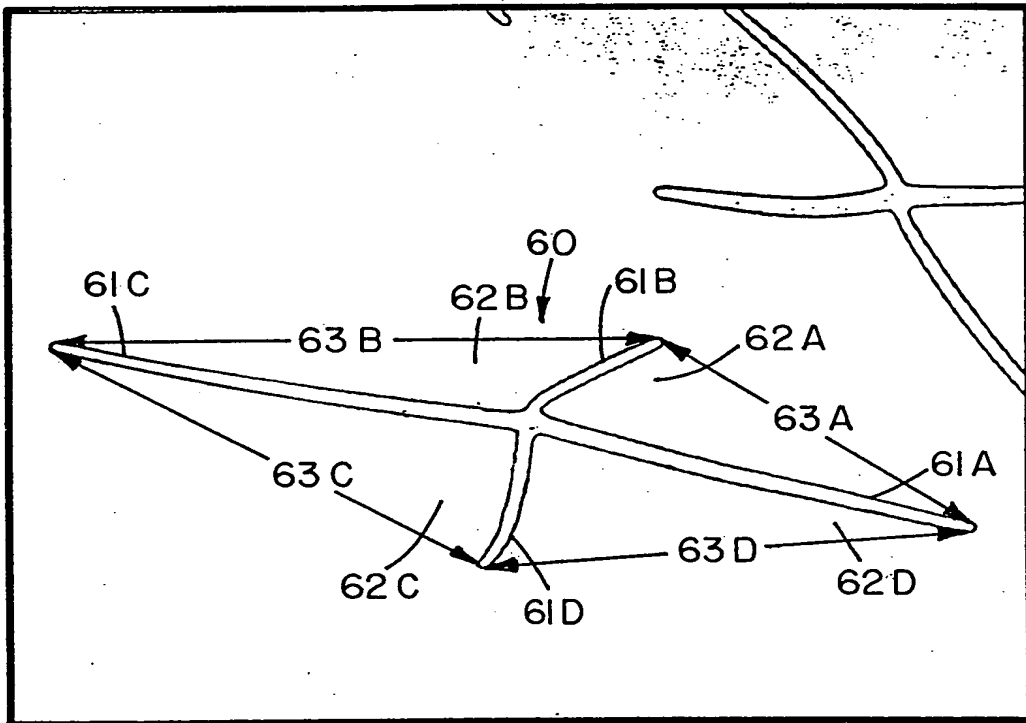


Fig. 6

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

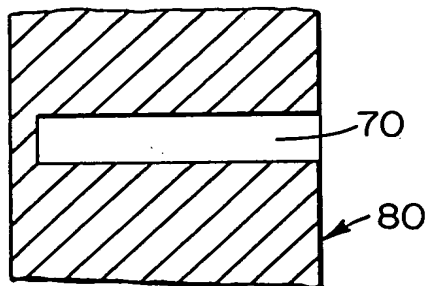


Fig. 7A

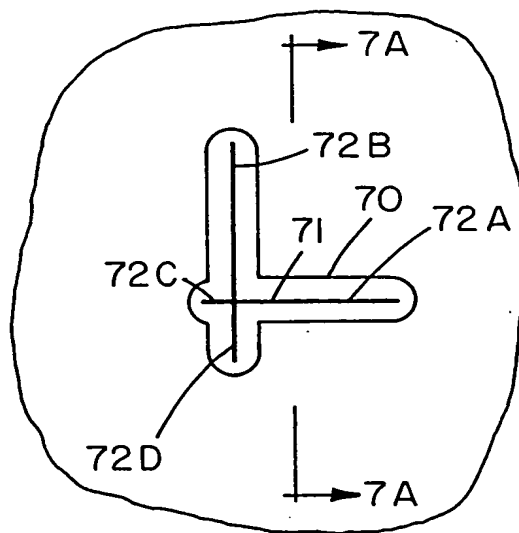


Fig. 7B

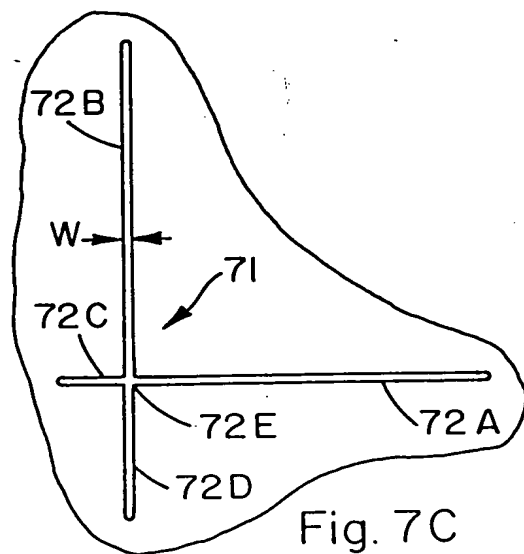


Fig. 7C

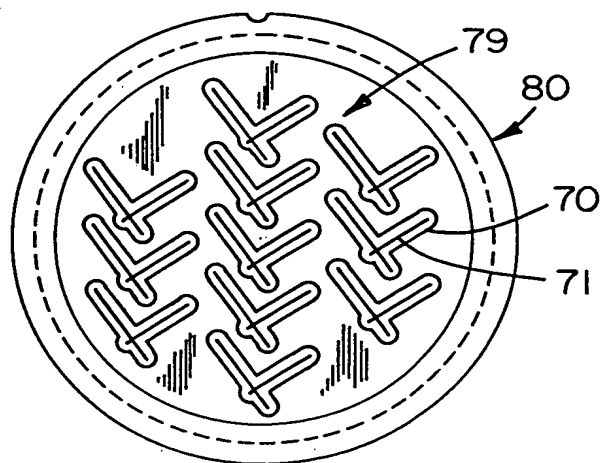


Fig. 7D

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

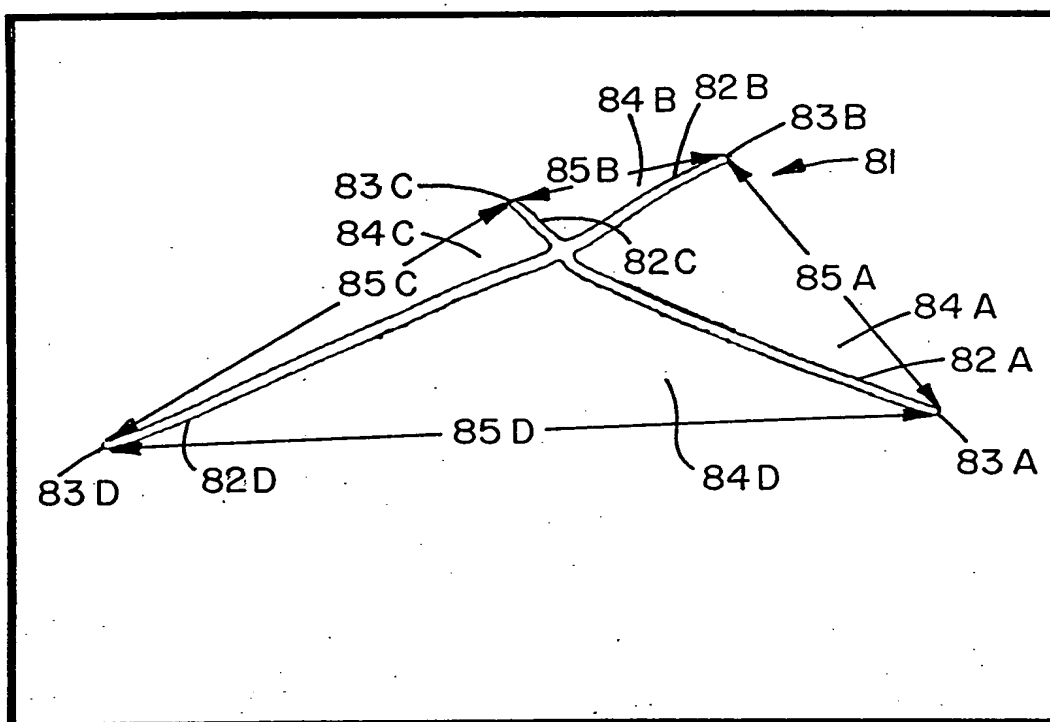


Fig. 8



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

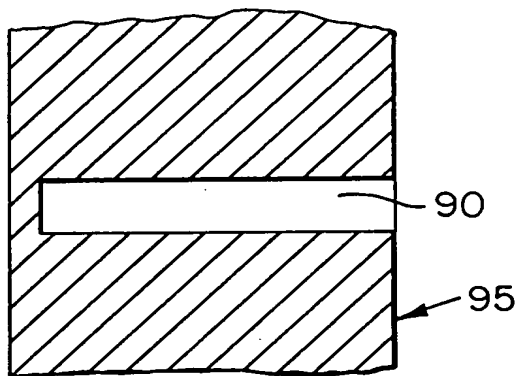


Fig. 9A

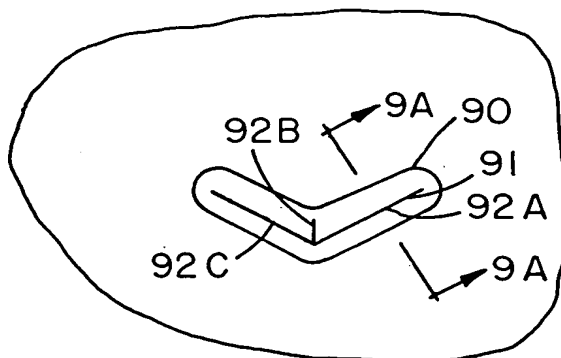


Fig. 9B

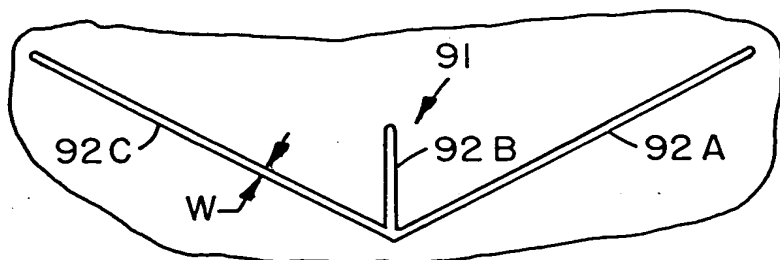


Fig. 9C

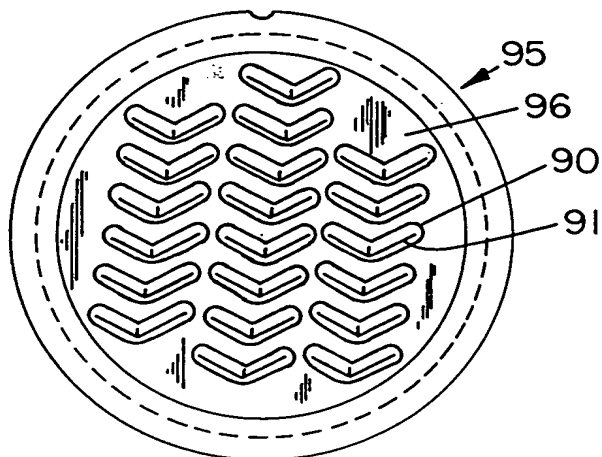


Fig. 9D

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

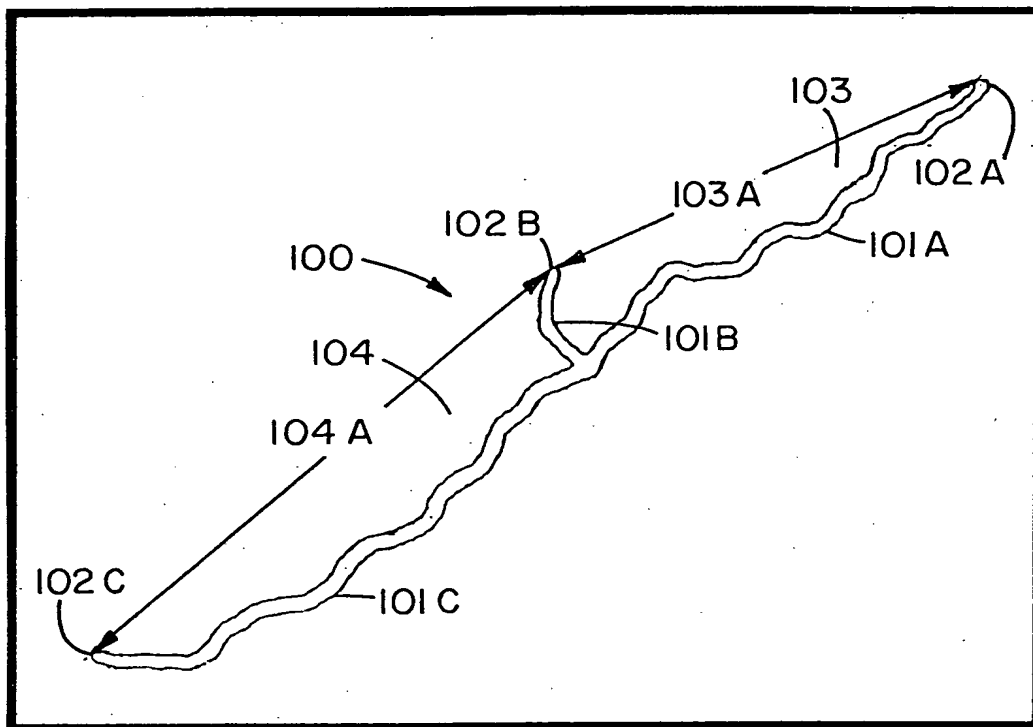


Fig. 10

BY	D.M. FIG.	
	CLASS	SUBCLASS
DRAFTSMAN		

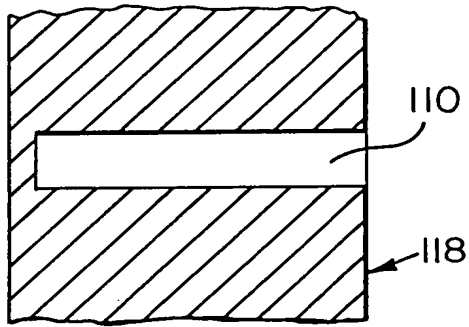


Fig. IIA

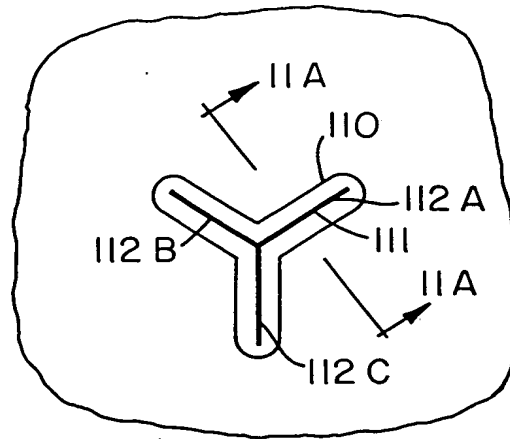


Fig. IIB

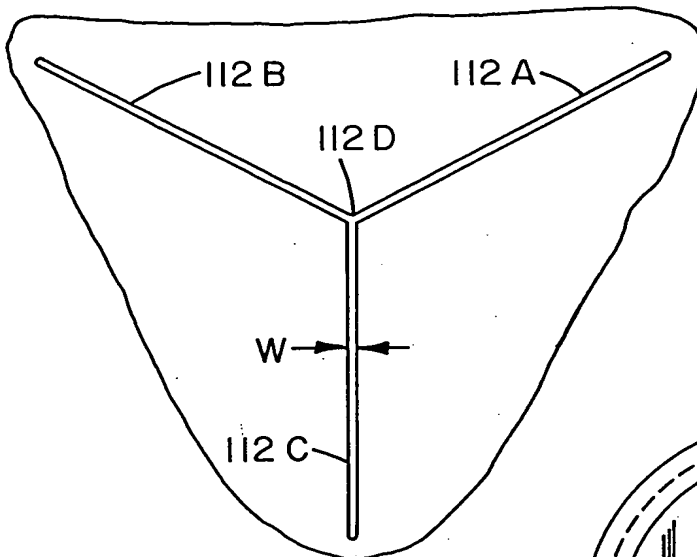


Fig. IIC

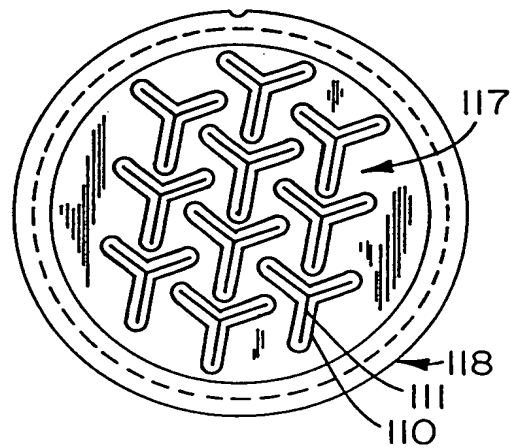


Fig. IID

This document is the property of the U.S. Government and is loaned to your organization. It and its contents are not to be distributed outside your organization.

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

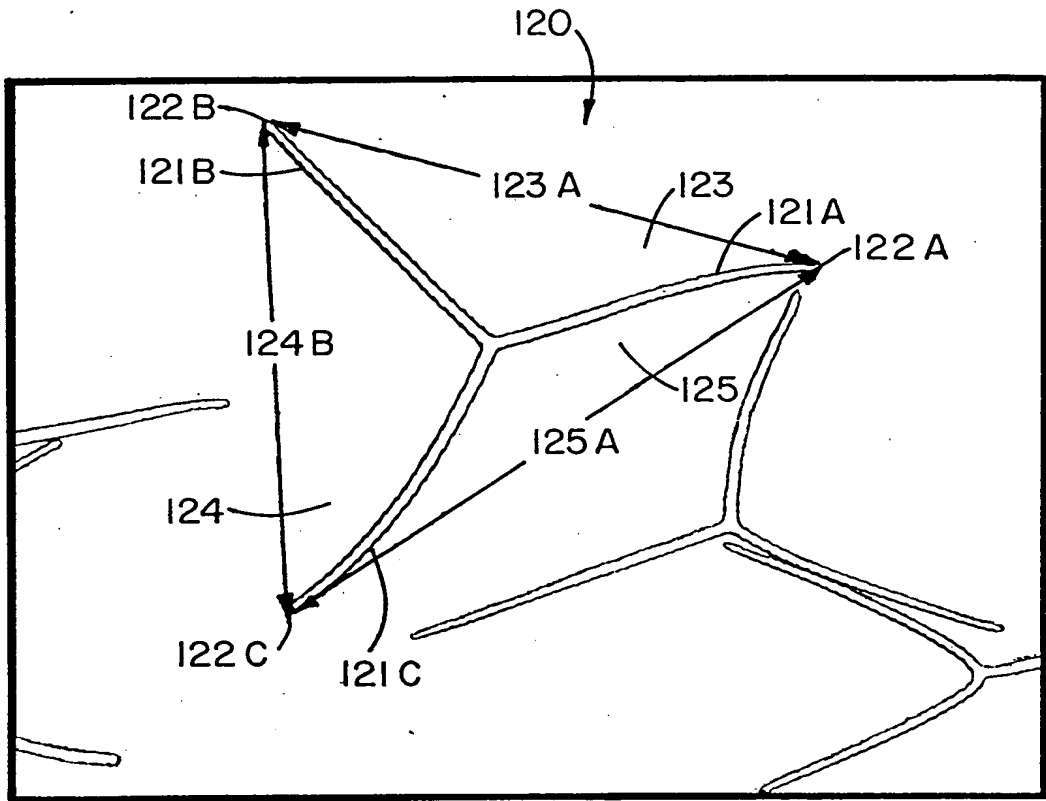


Fig. 12

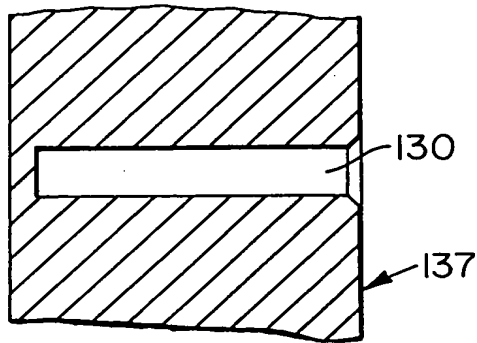


Fig. 13A

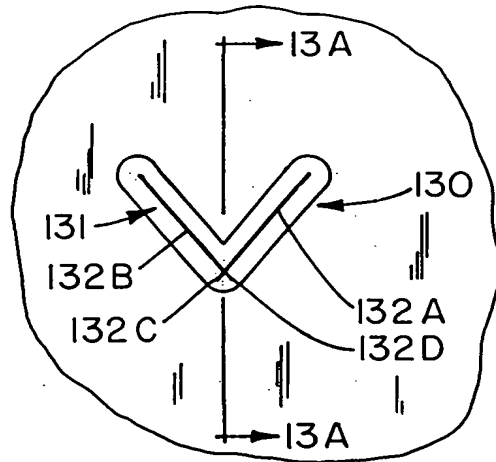


Fig. 13B

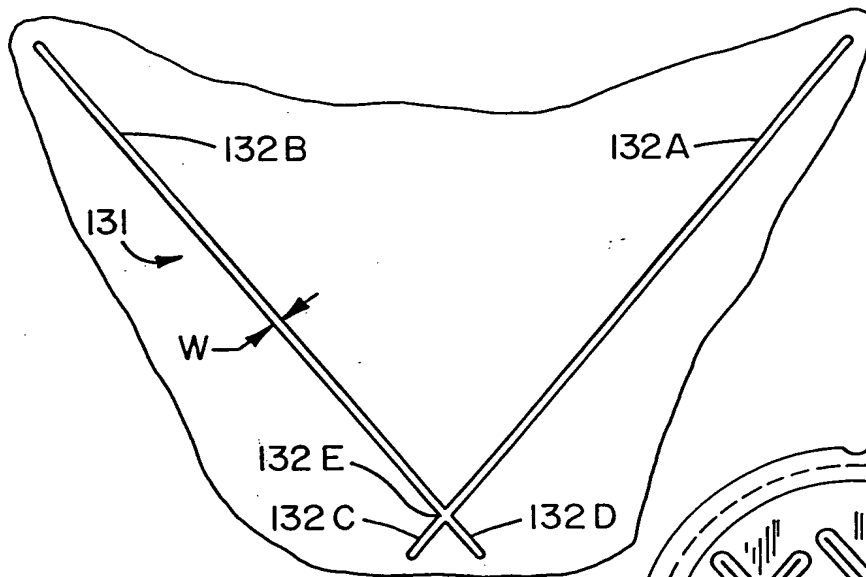


Fig. 13C

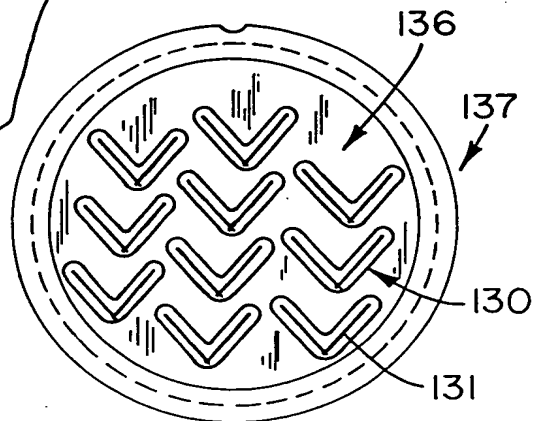


Fig. 13D

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

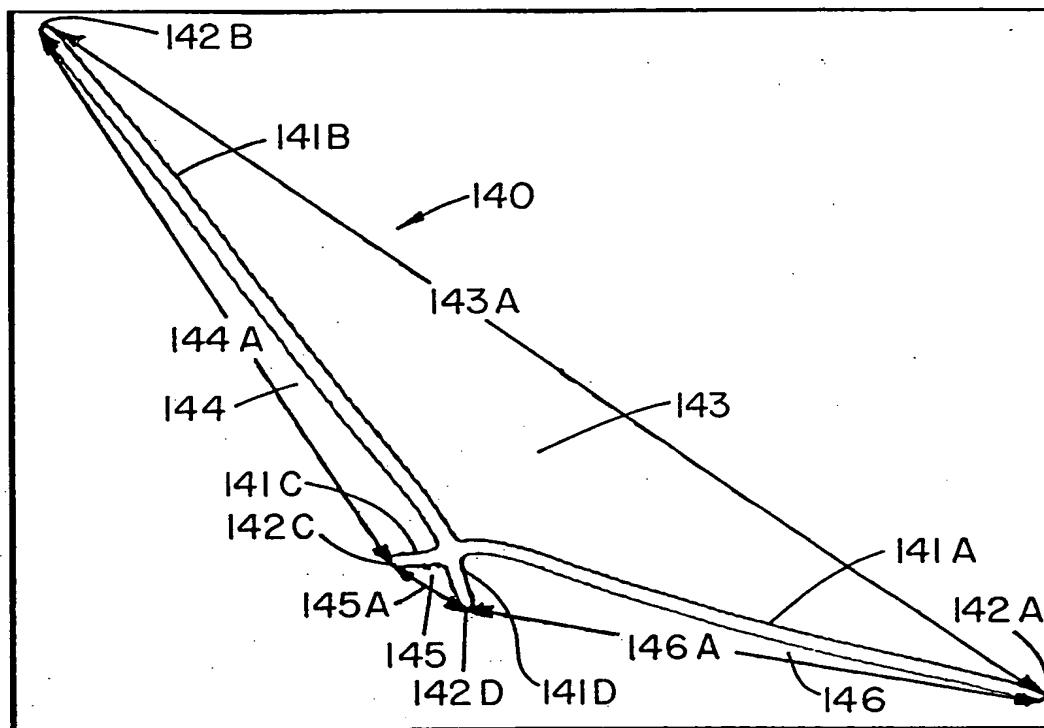


Fig. 14

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

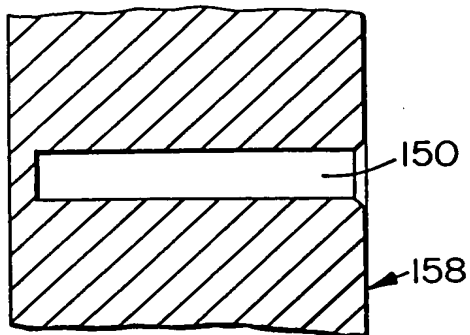


Fig. 15A

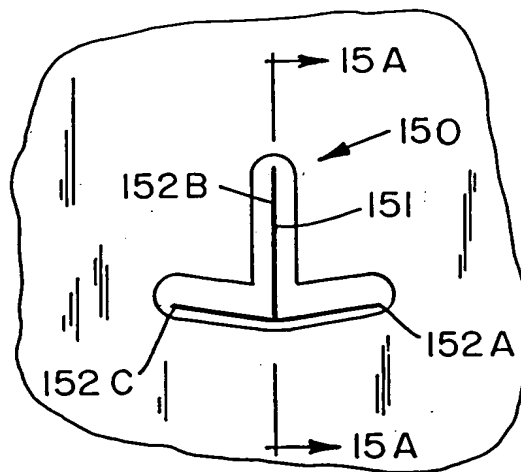


Fig. 15B

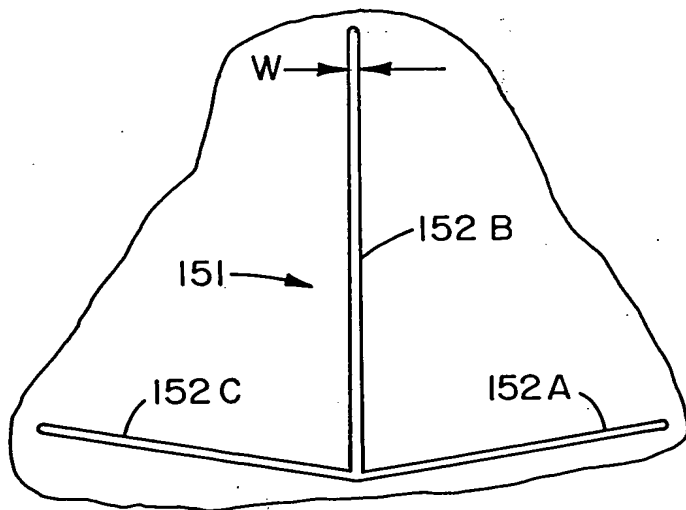


Fig. 15C

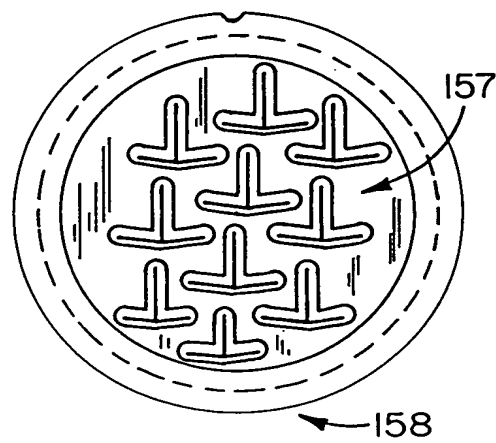


Fig. 15D

BY	O.G. FIG.	
DRAFTSMAN	CLASS	SUBCLASS

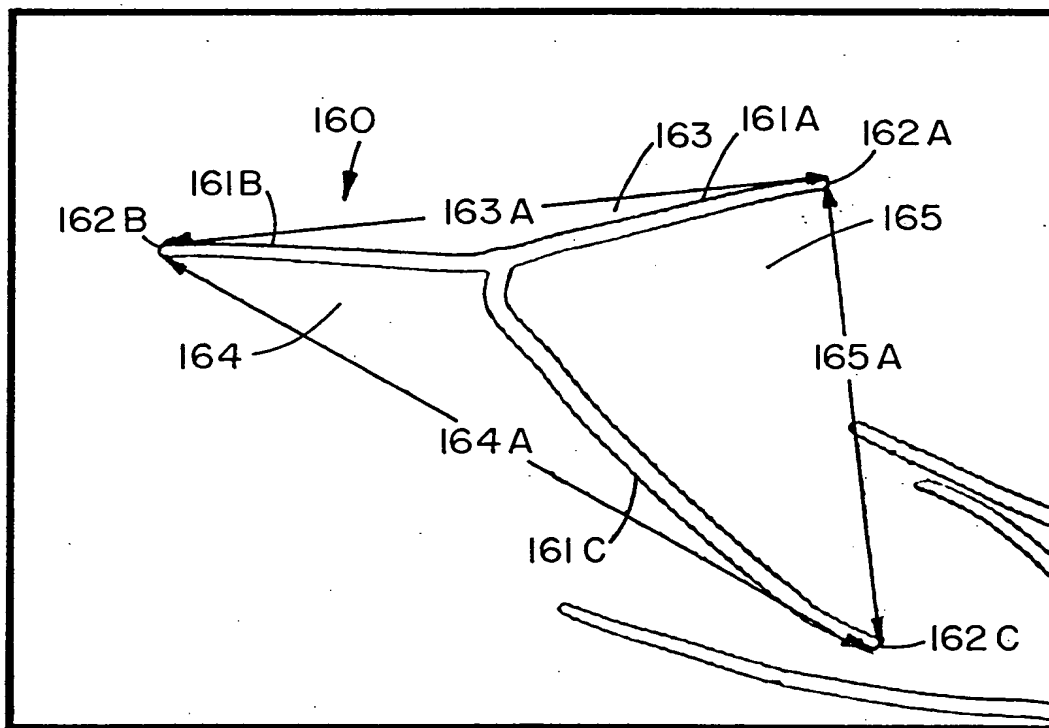


Fig. 16



DESIGNED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

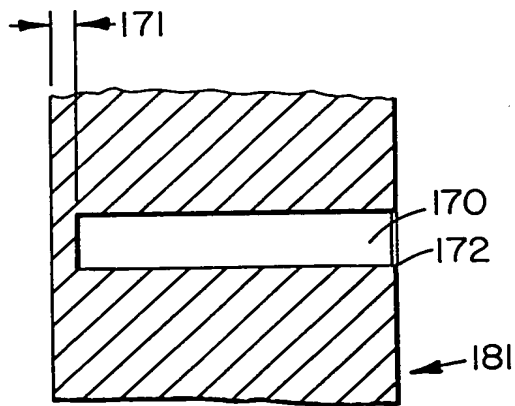


Fig. 17A

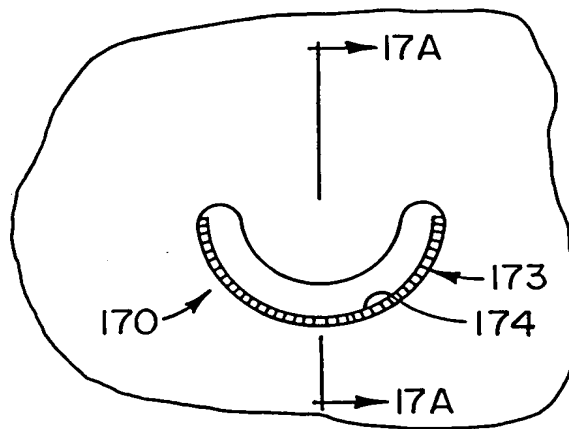


Fig. 17B

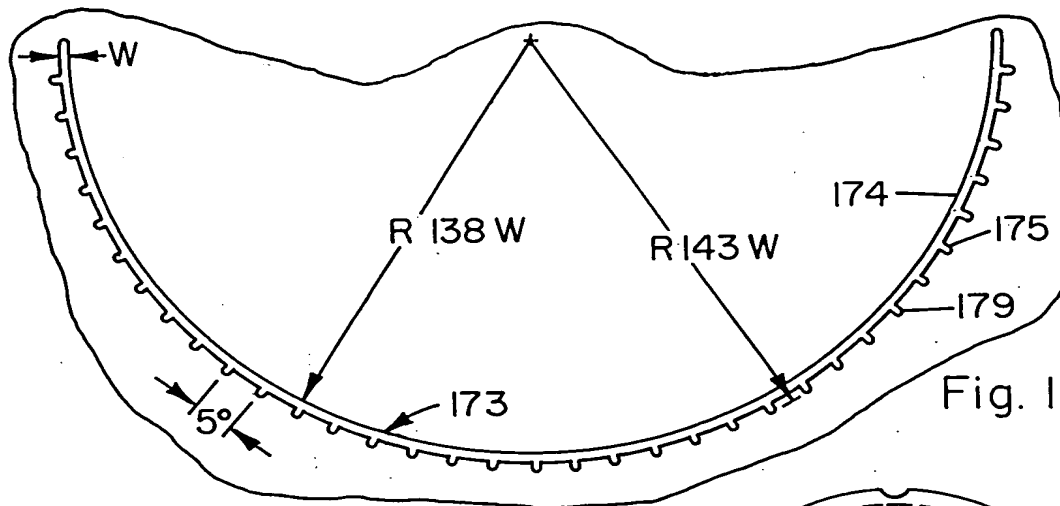


Fig. 17C

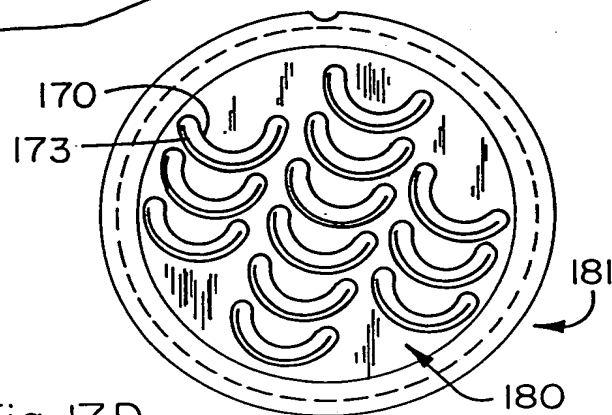


Fig. 17D

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

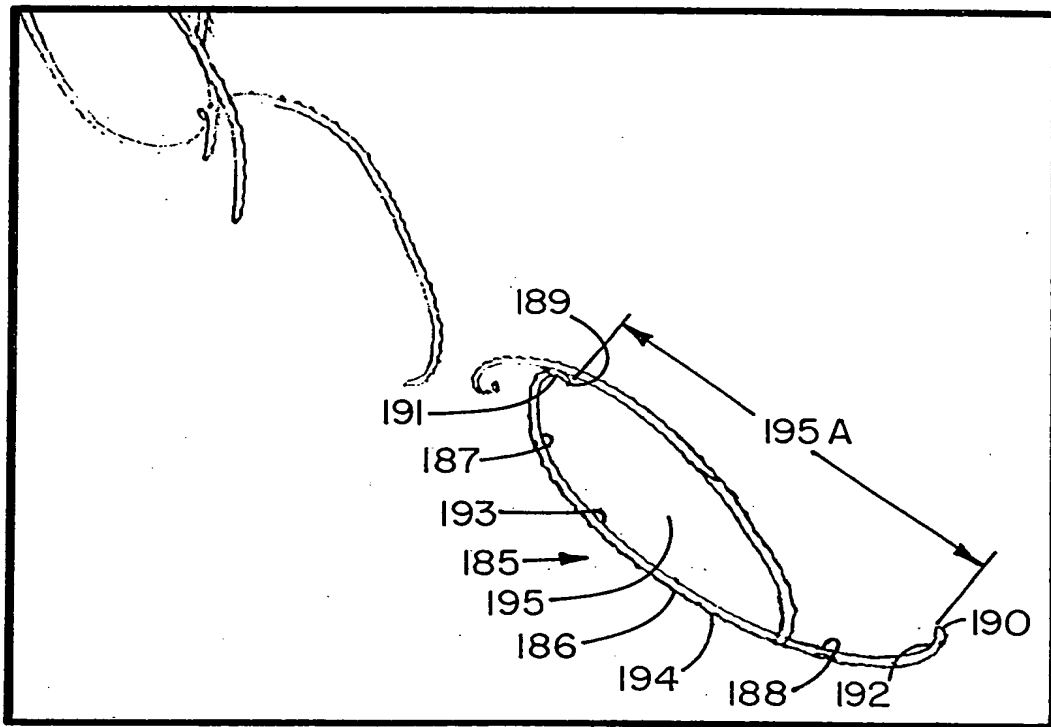


Fig. 18

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

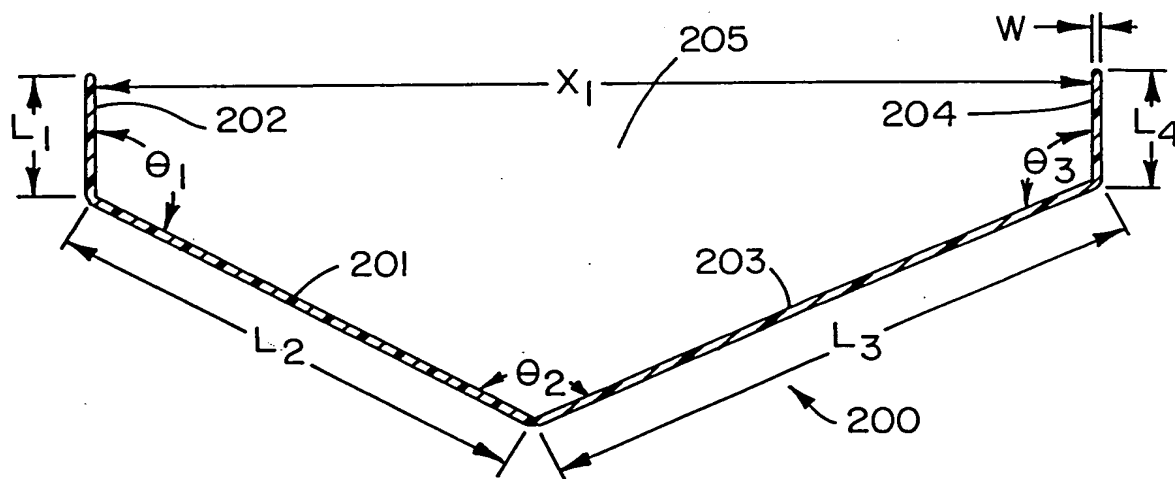


Fig. 19A

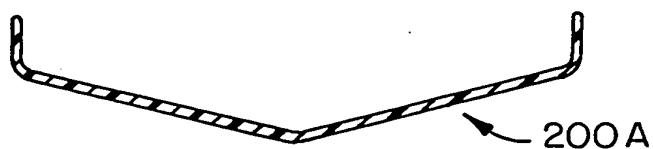


Fig. 19B

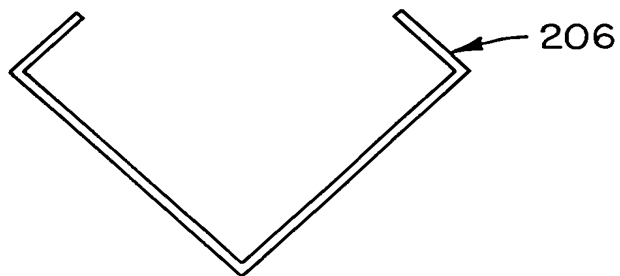


Fig. 19C

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

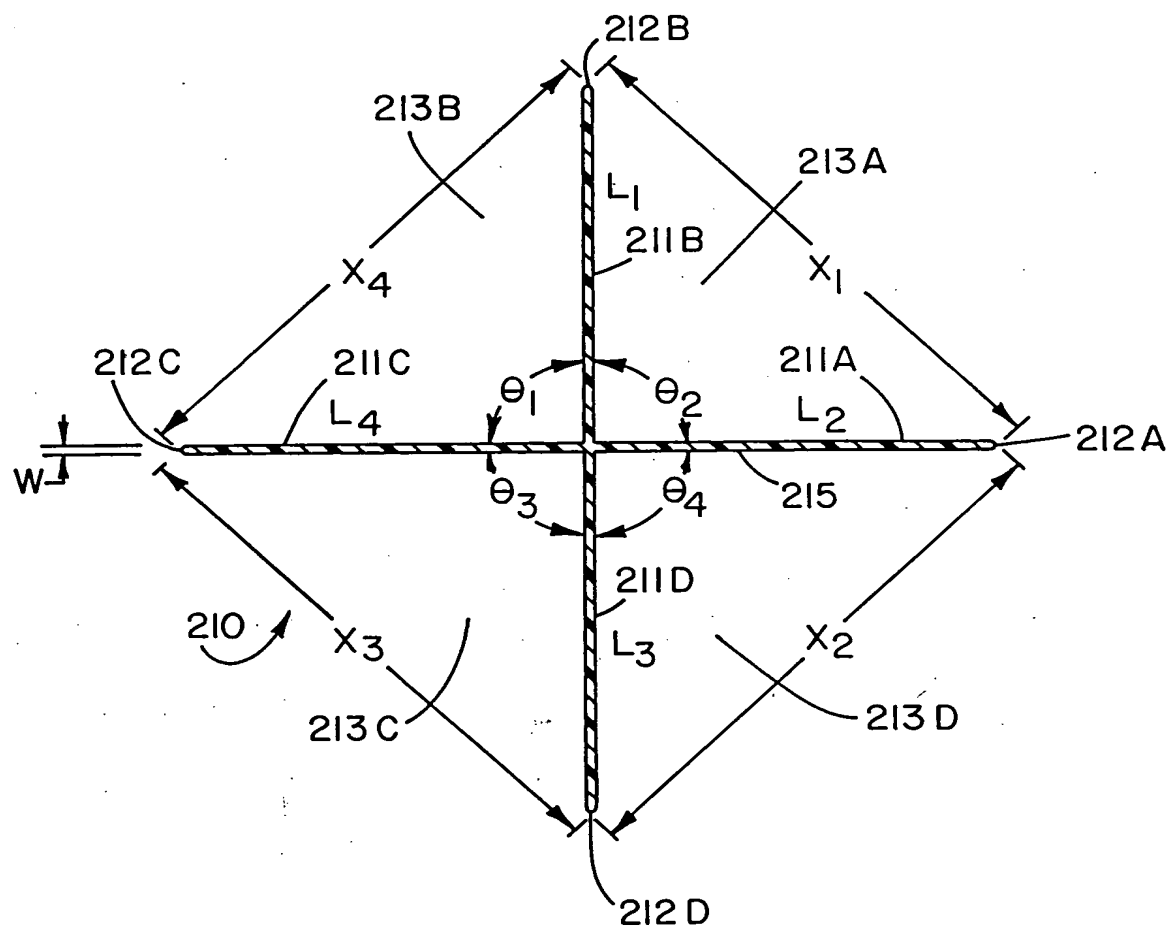


Fig. 20

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

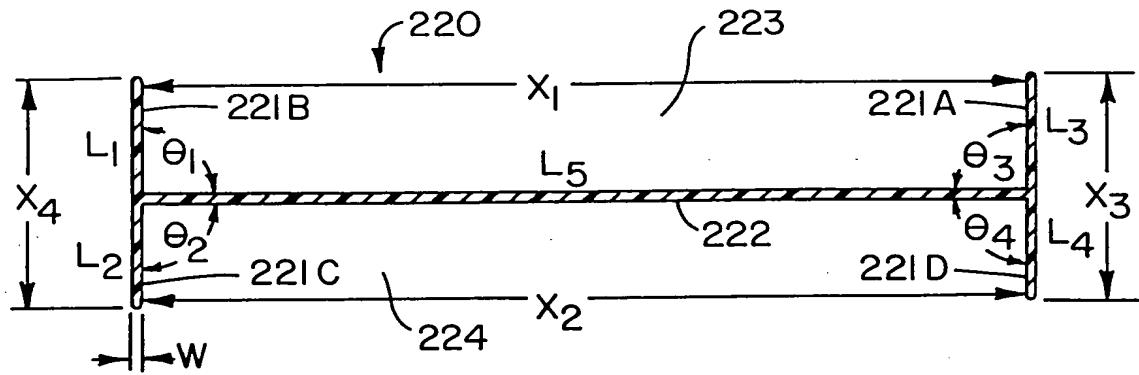


Fig. 21A

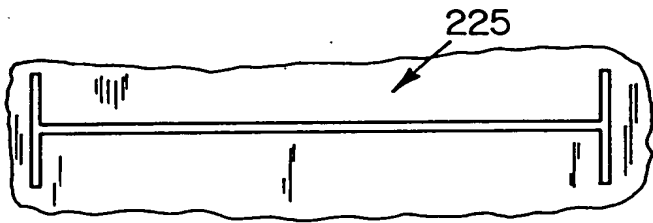


Fig. 21B

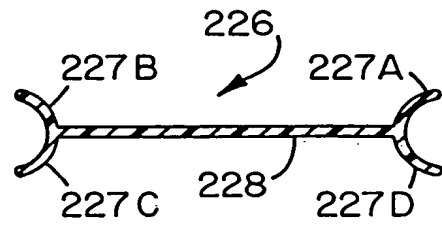


Fig. 21C

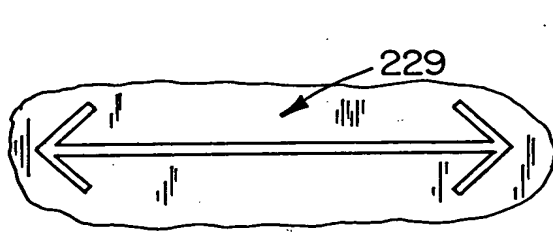


Fig. 21D

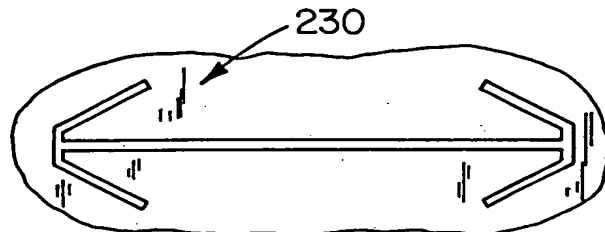


Fig. 21E

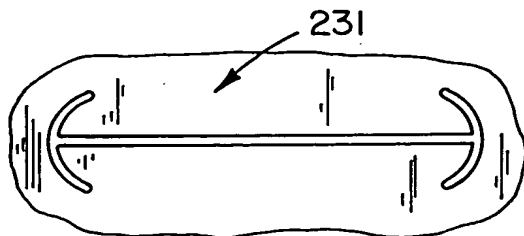


Fig. 21F

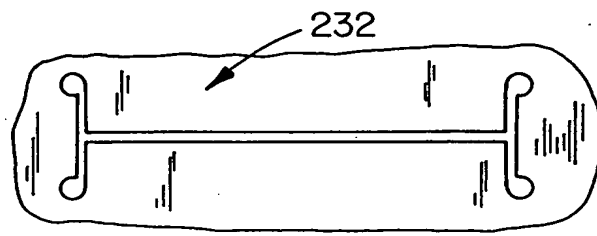


Fig. 21G

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

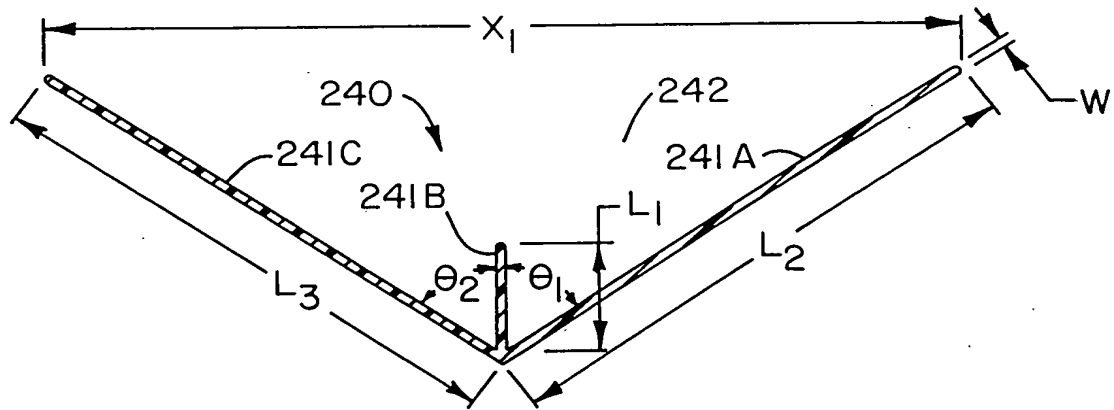


Fig. 22 A

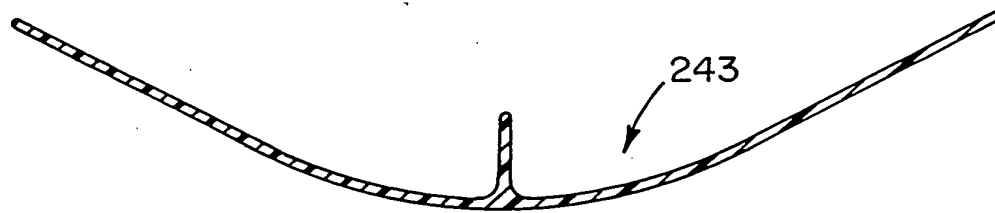


Fig. 22 B

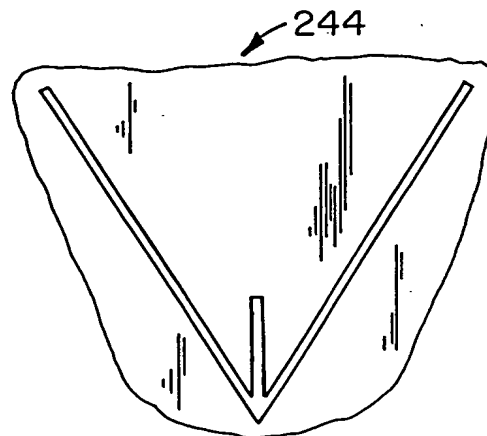


Fig. 22 C

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

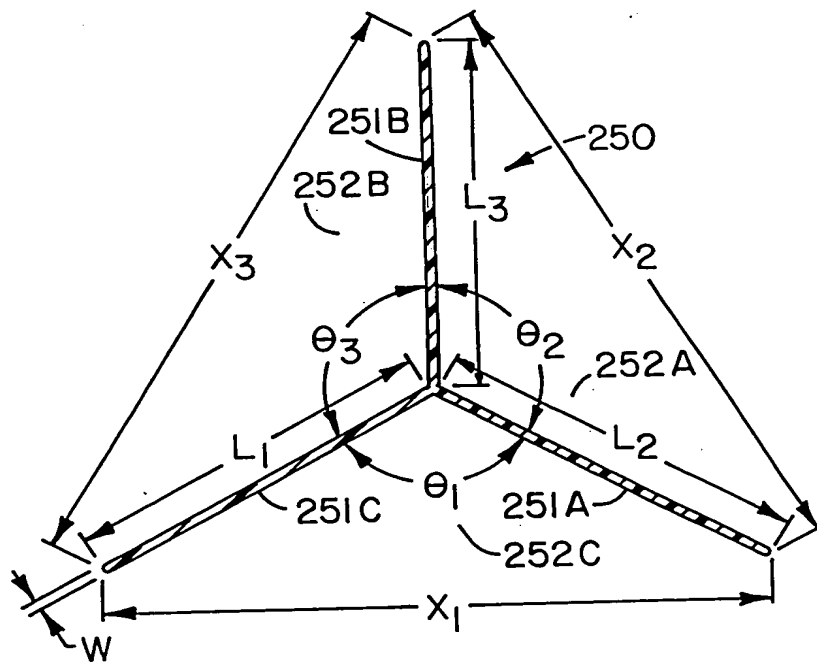


Fig. 23

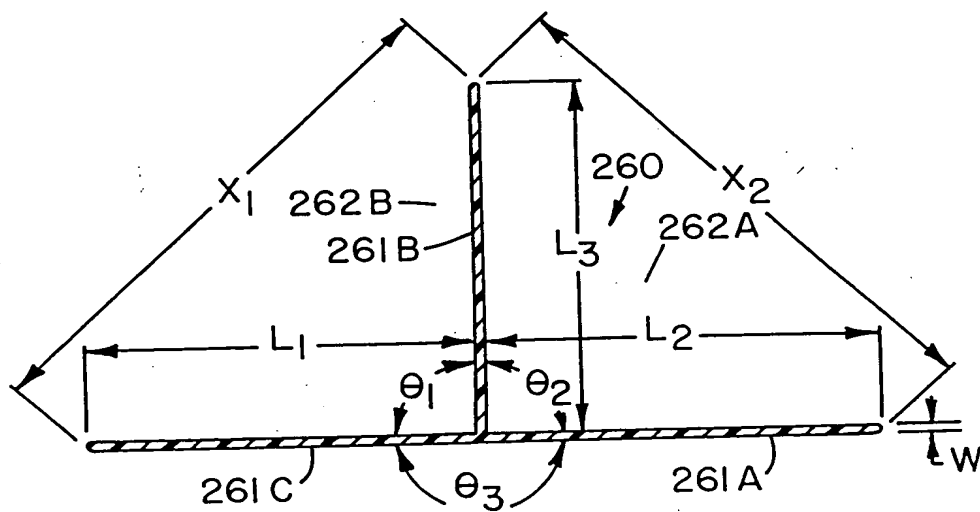


Fig. 24

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

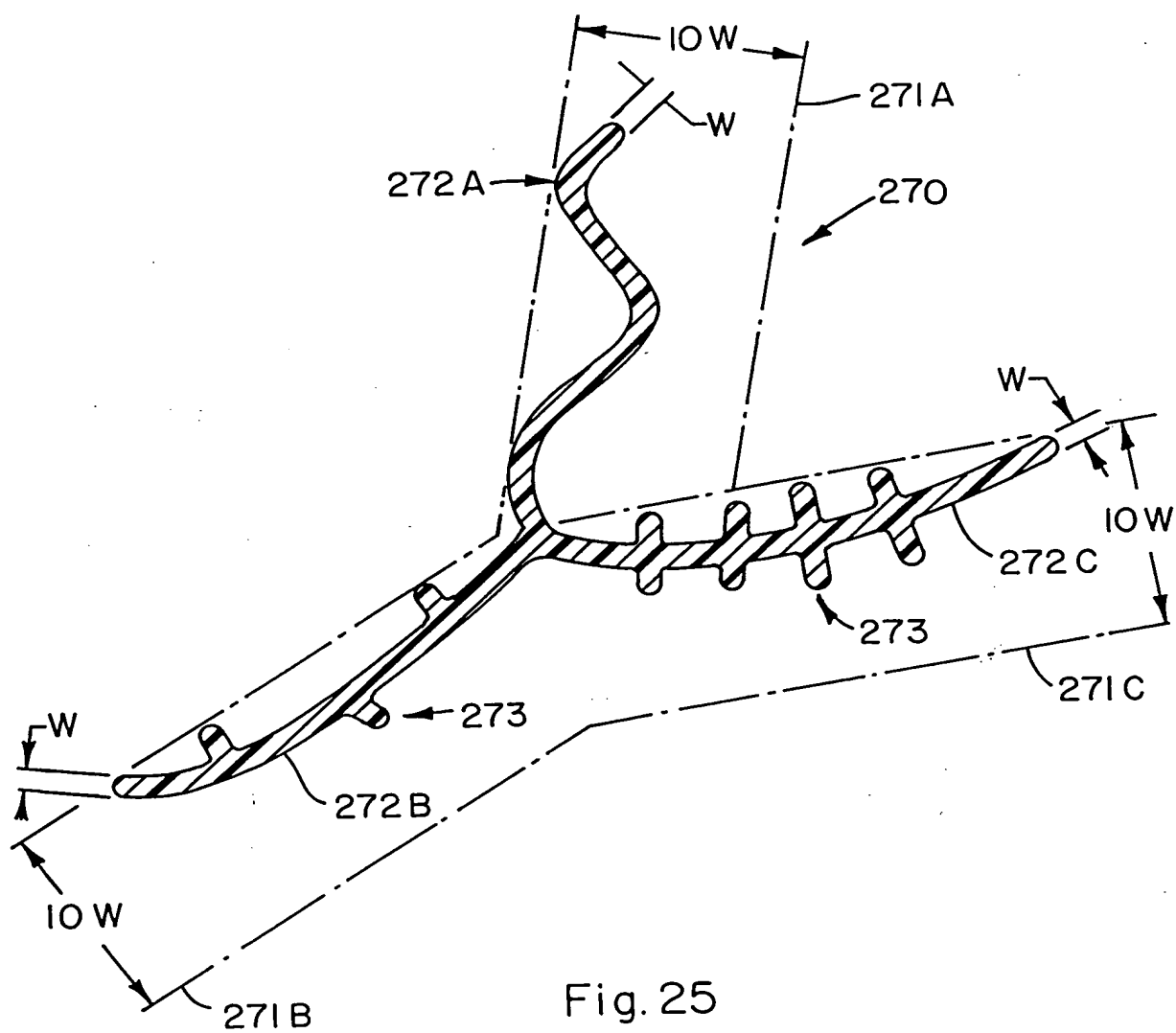


Fig. 25



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

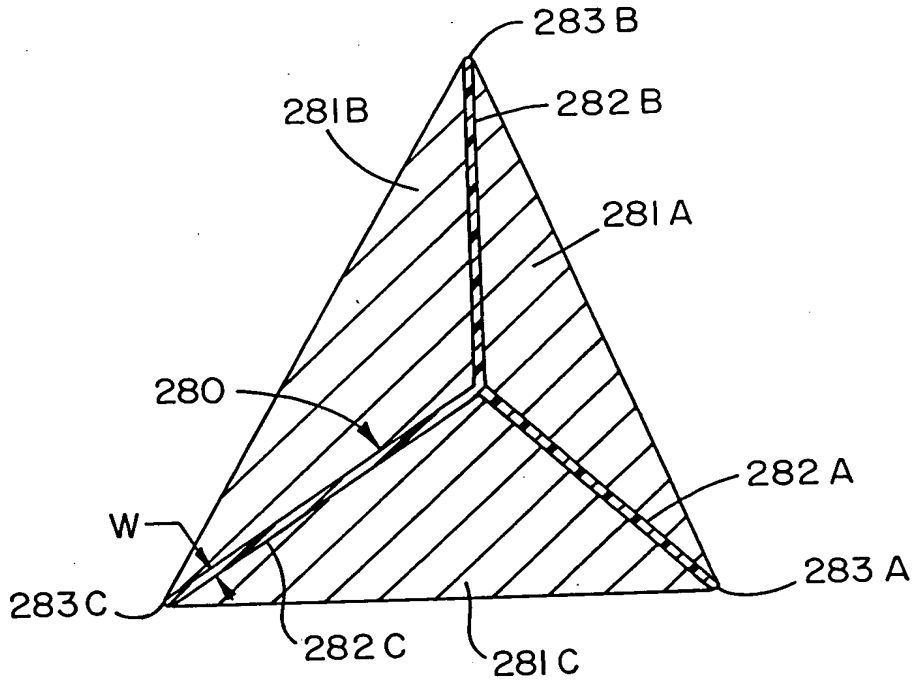


Fig. 26A

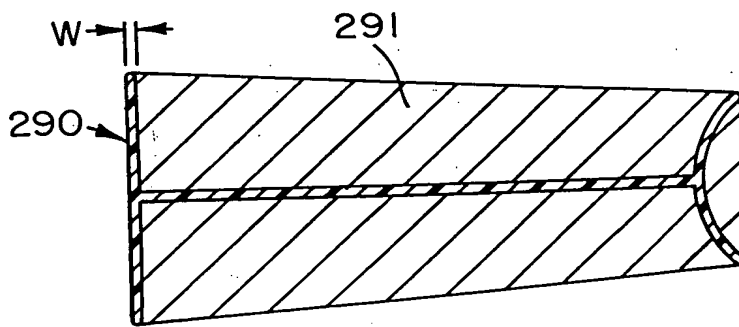


Fig. 26B

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

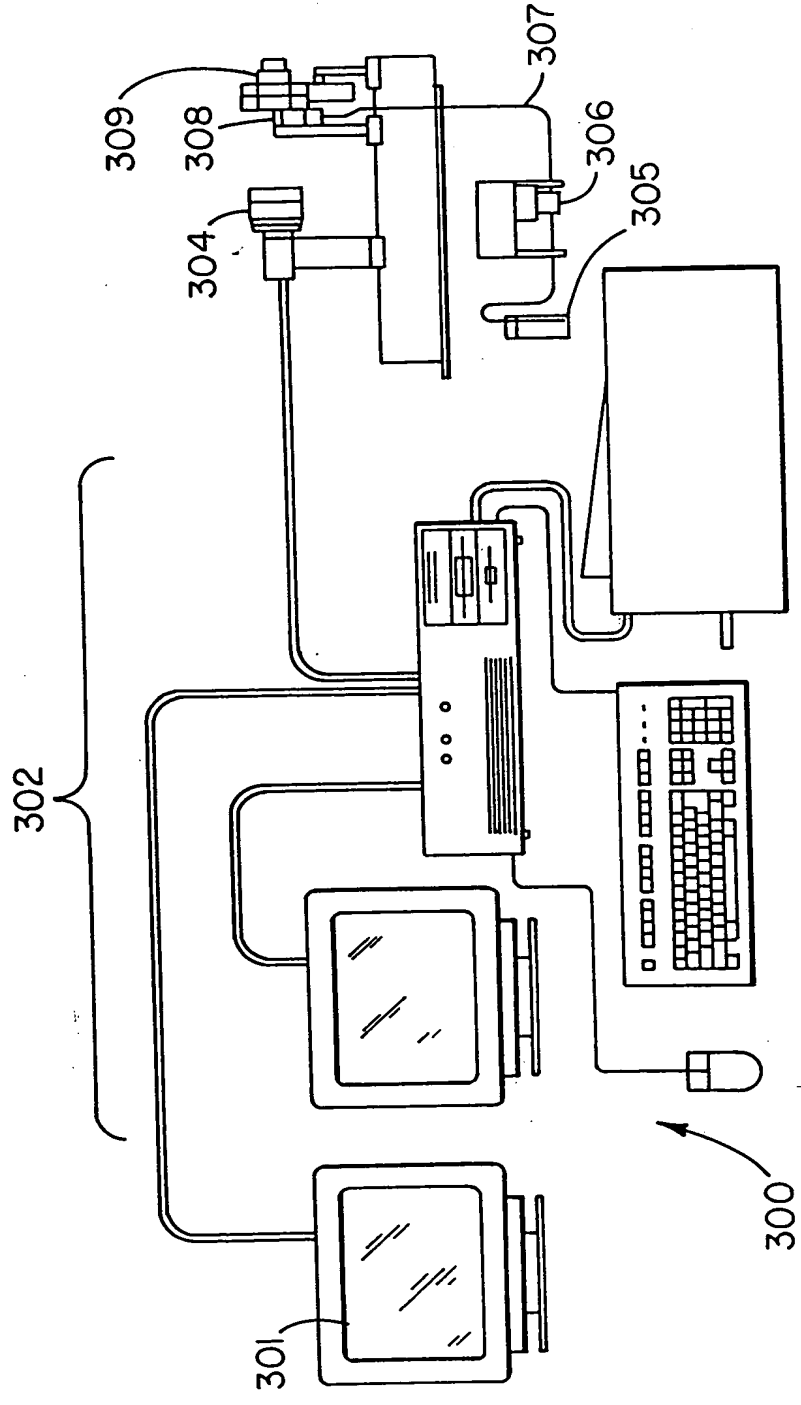


Fig. 27

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

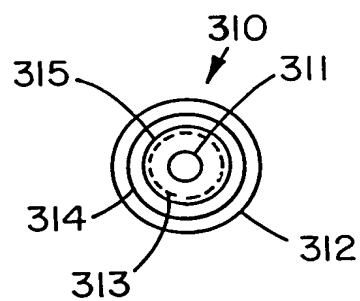


Fig. 28

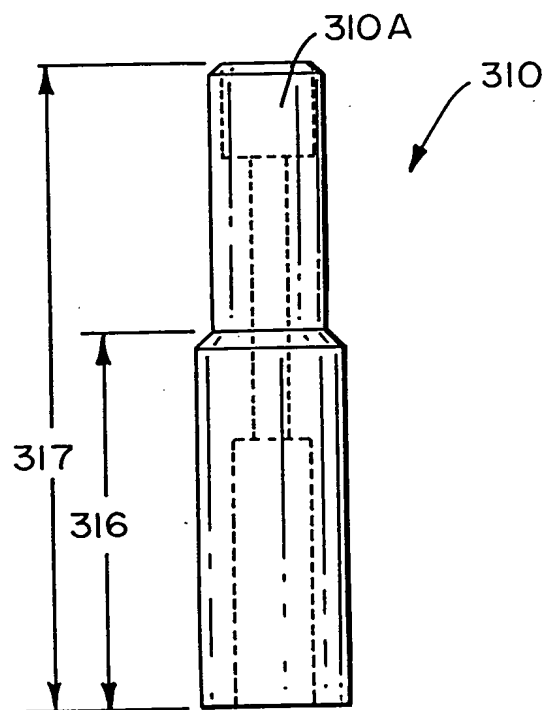


Fig. 29

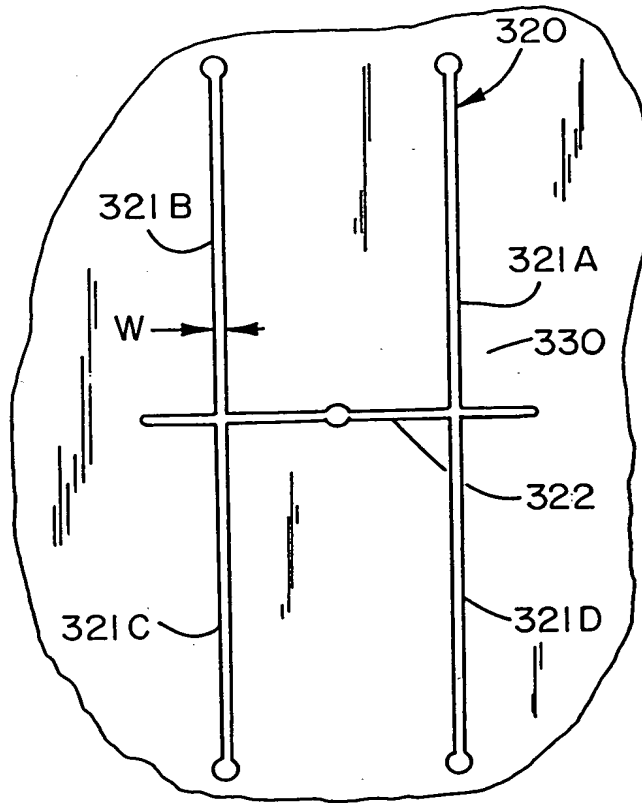


Fig. 30A

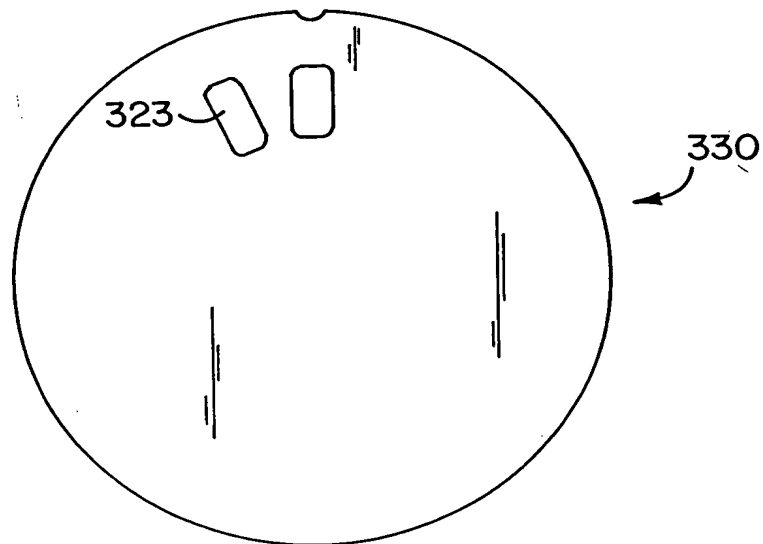


Fig. 30B

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

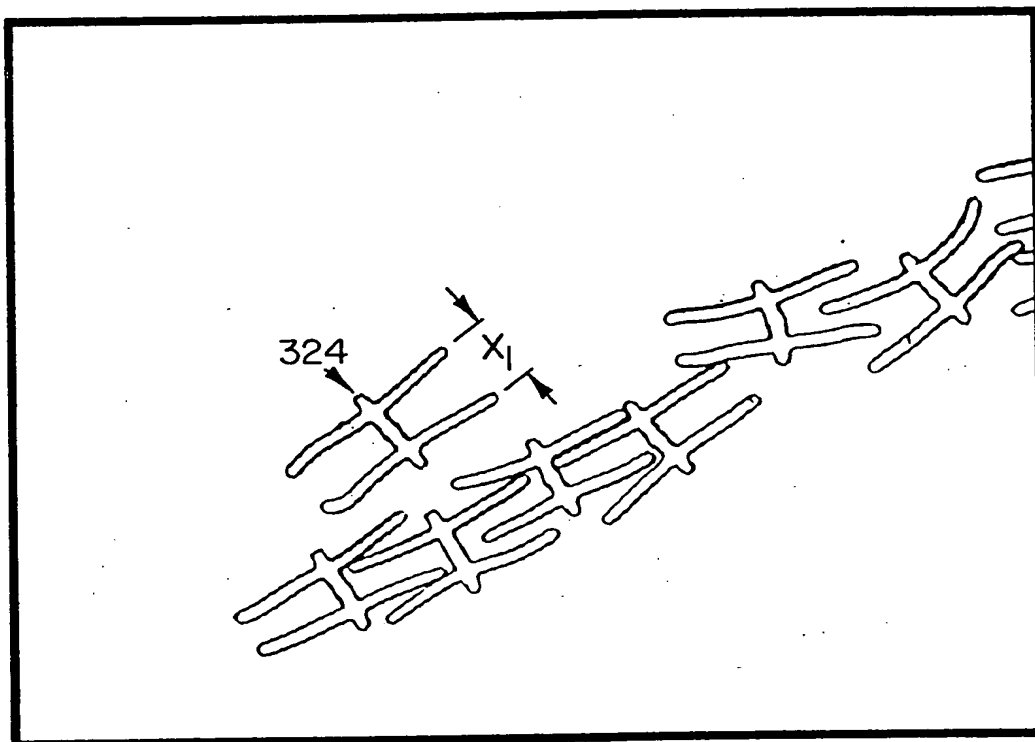
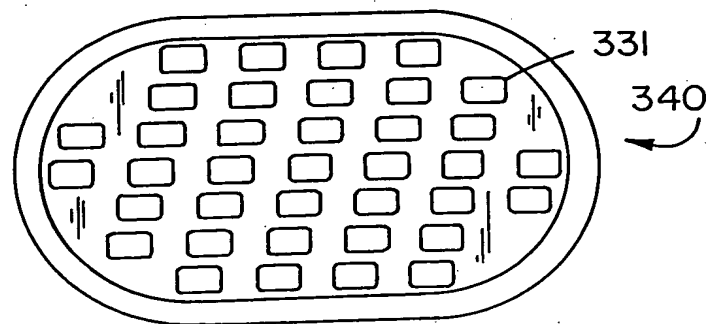
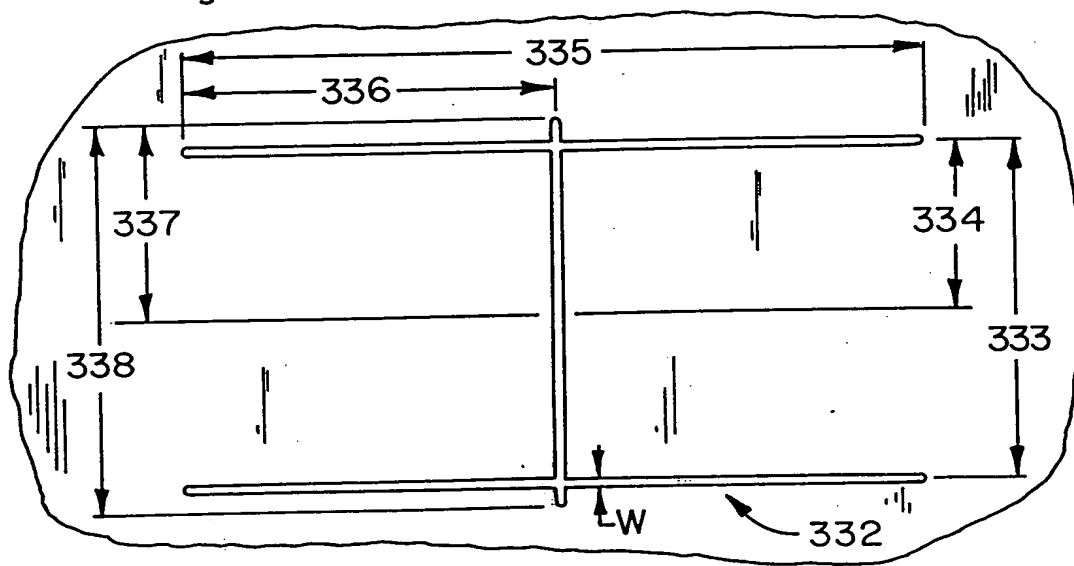
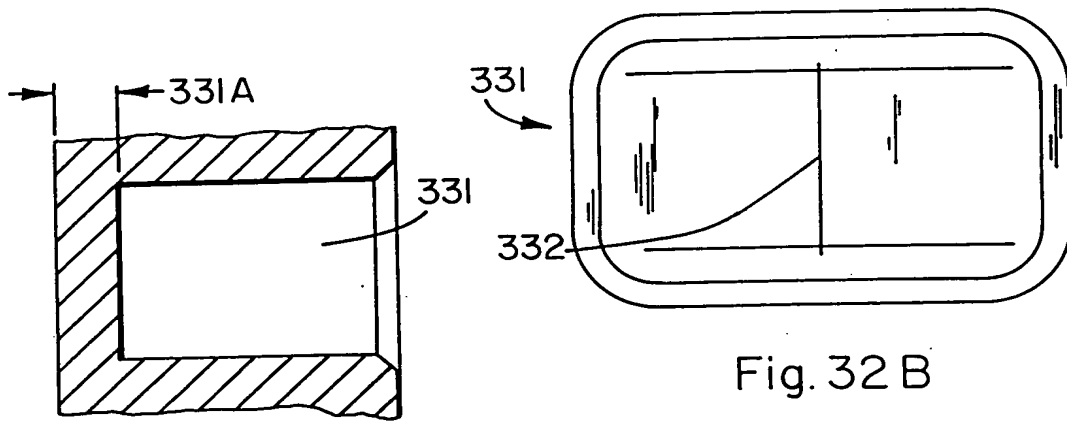


Fig. 31

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

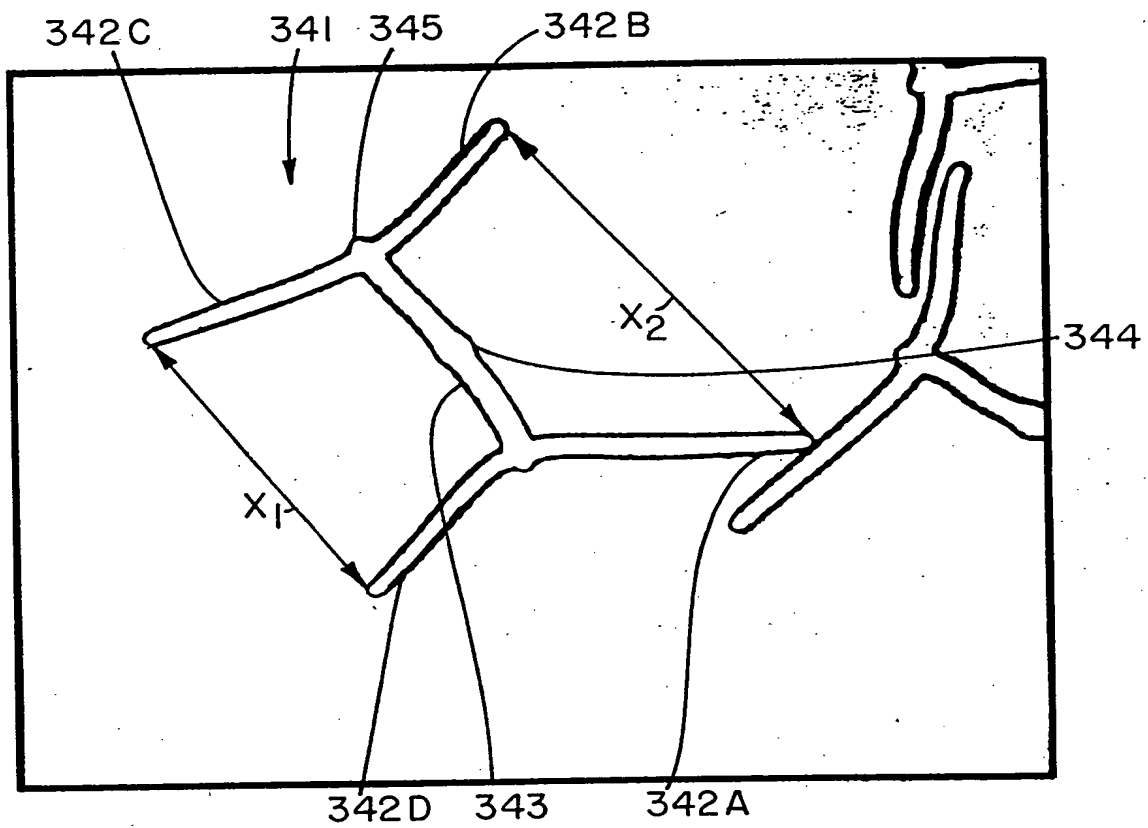


Fig. 33

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

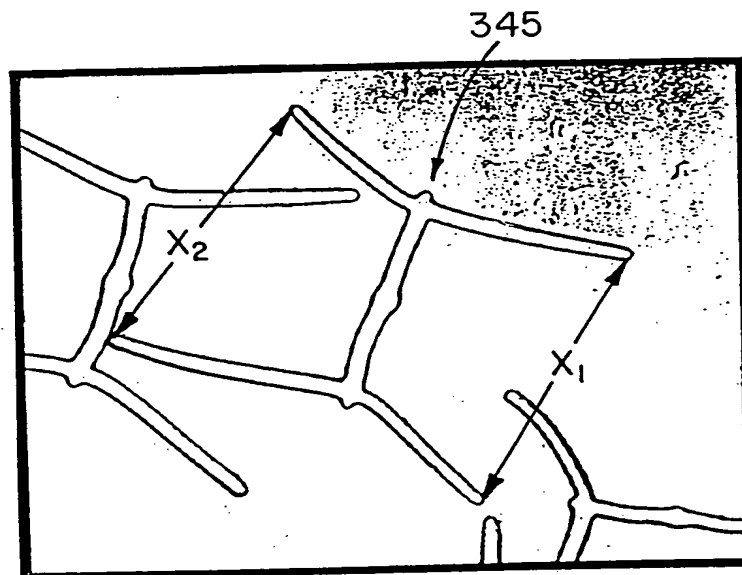


Fig. 34



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

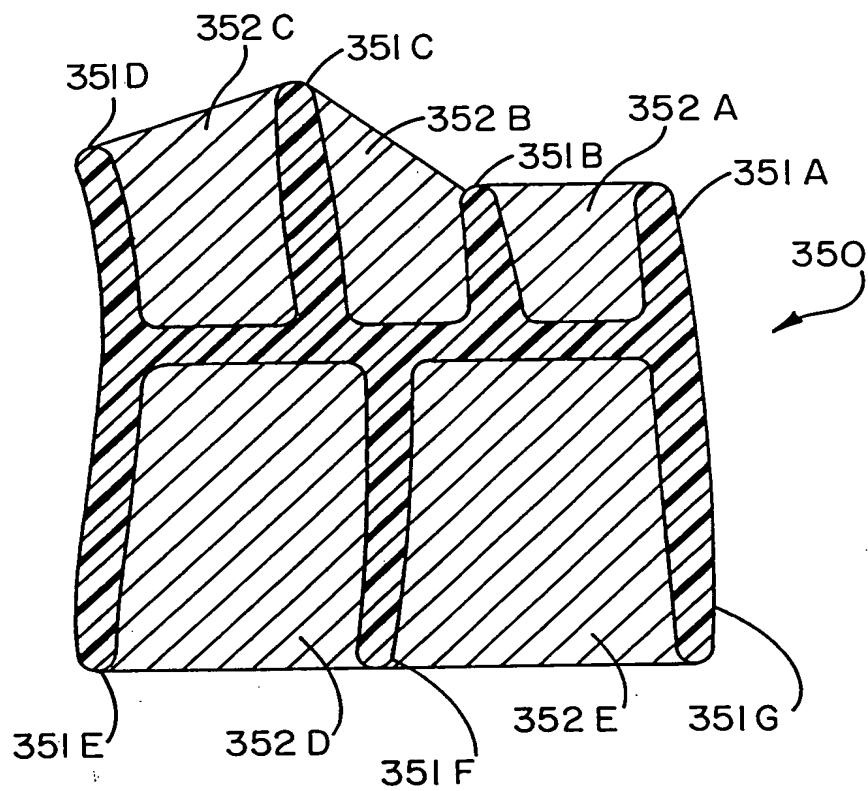
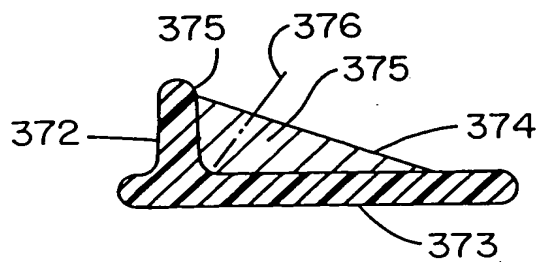
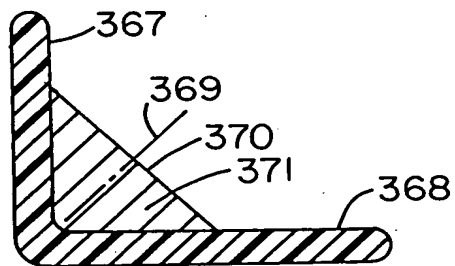
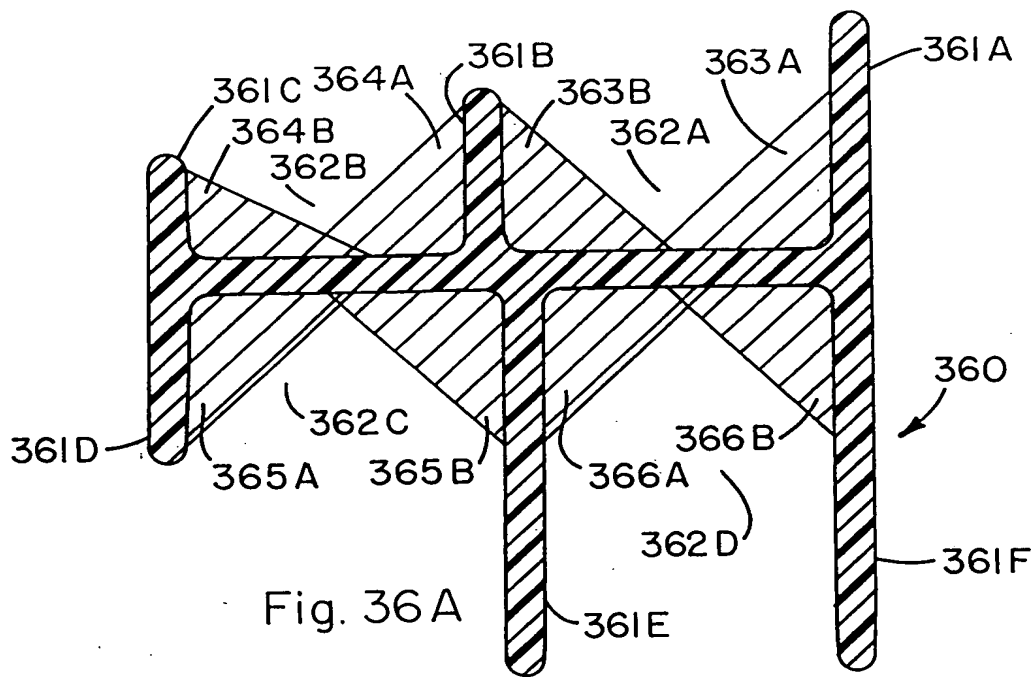


Fig. 35

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		



	U.S. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

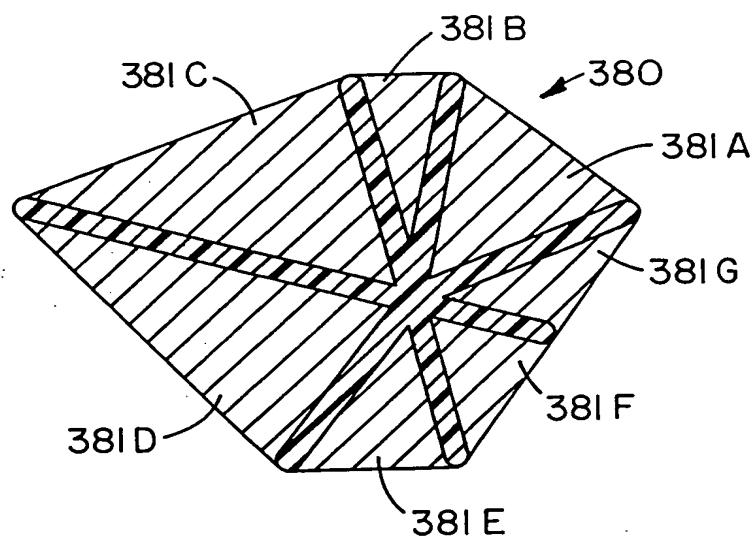


Fig. 37A

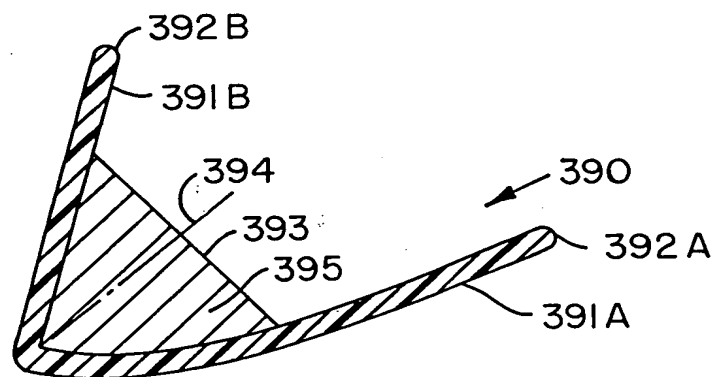


Fig. 37 B

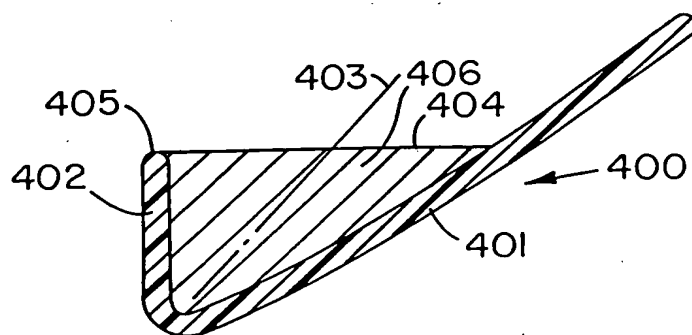


Fig. 37C

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

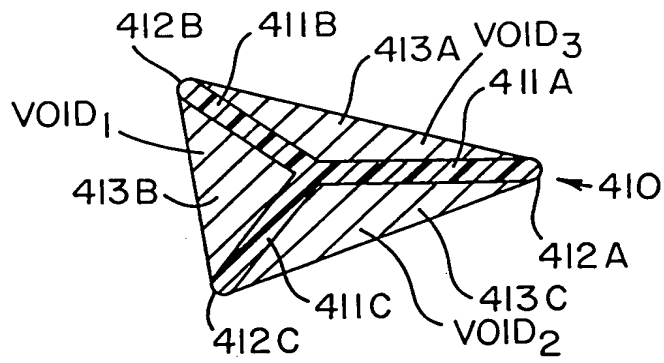


Fig. 38A

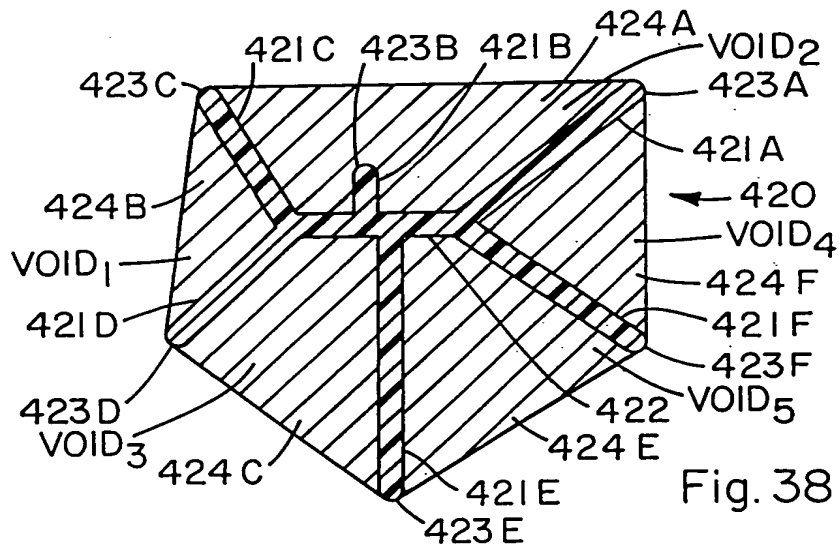


Fig. 38B

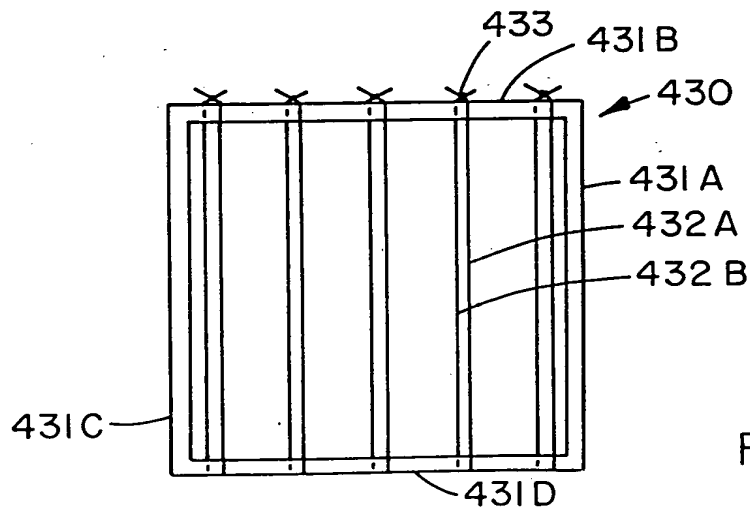


Fig. 39

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

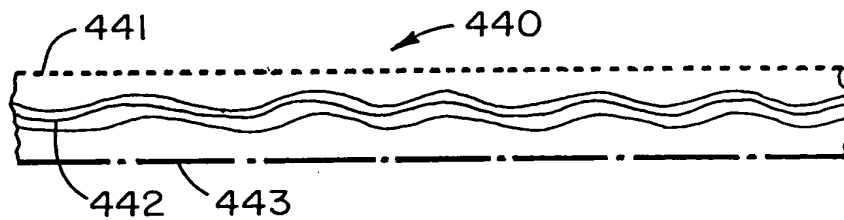


Fig. 40A

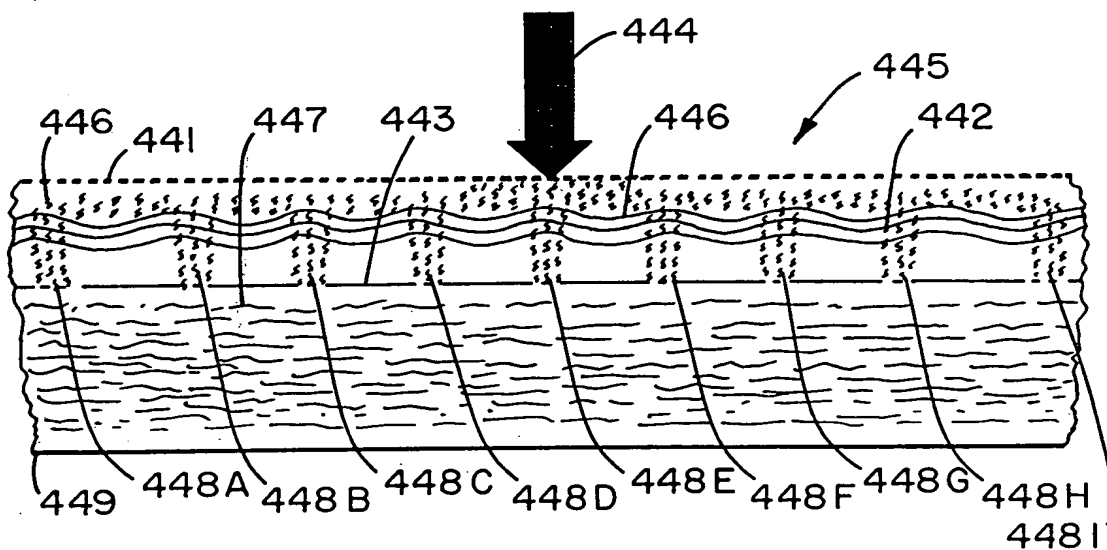


Fig. 40B

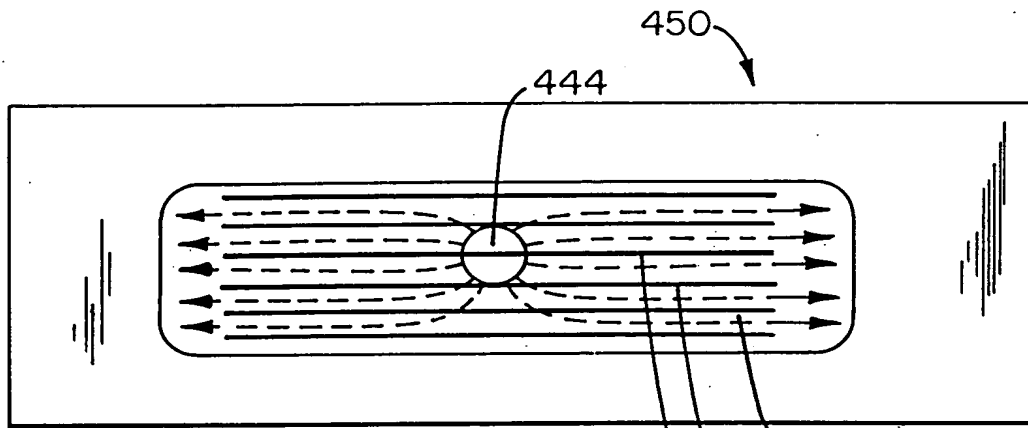


Fig. 41A

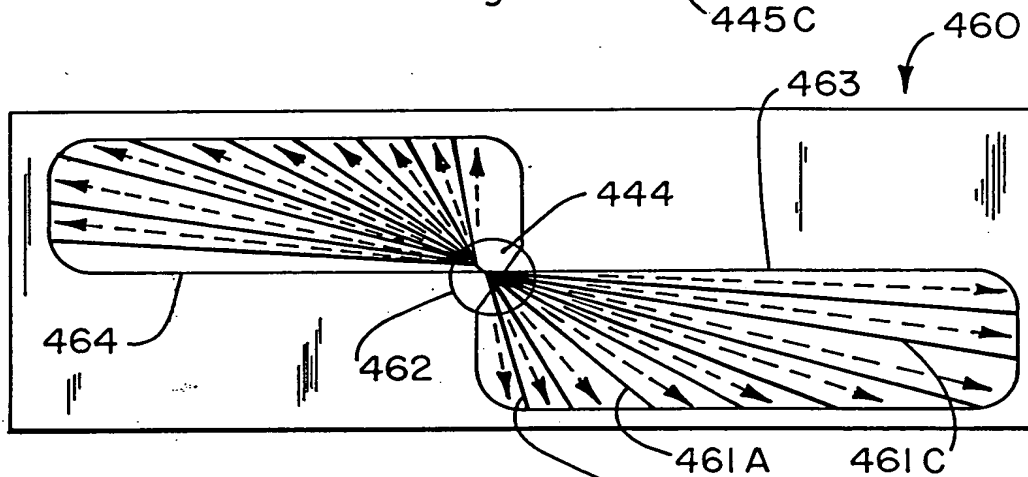


Fig. 41B

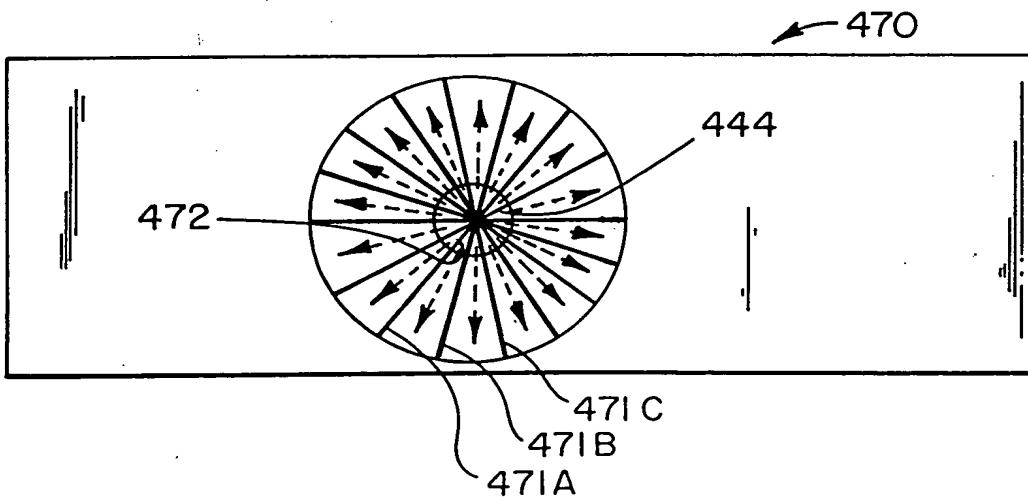


Fig. 41C

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

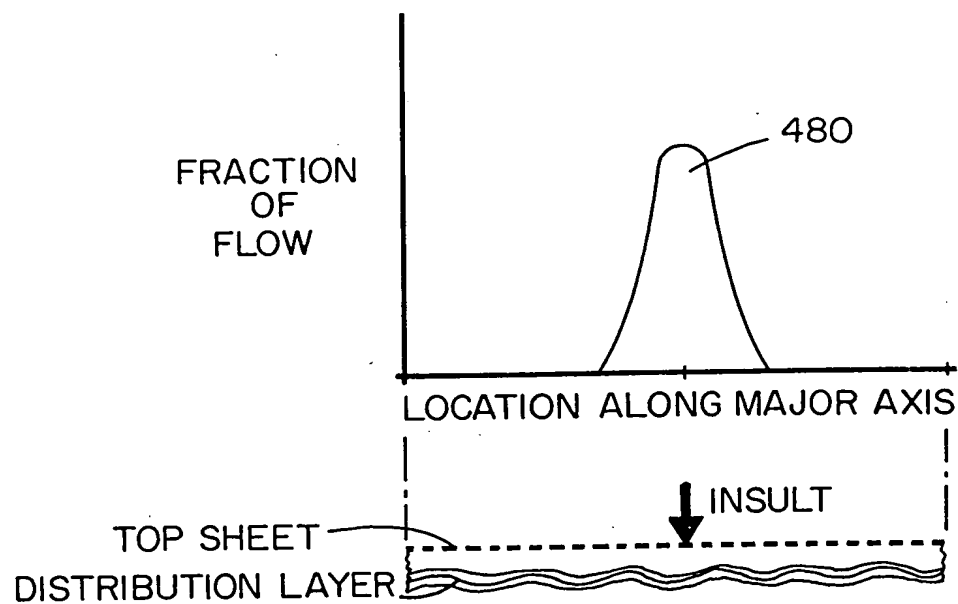


Fig. 42 A

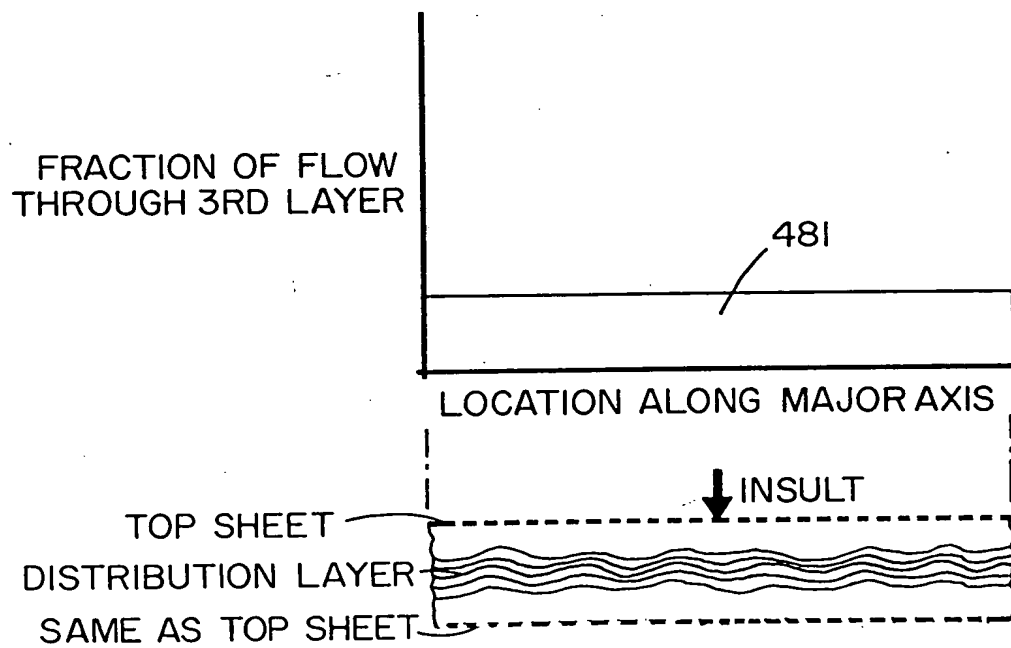
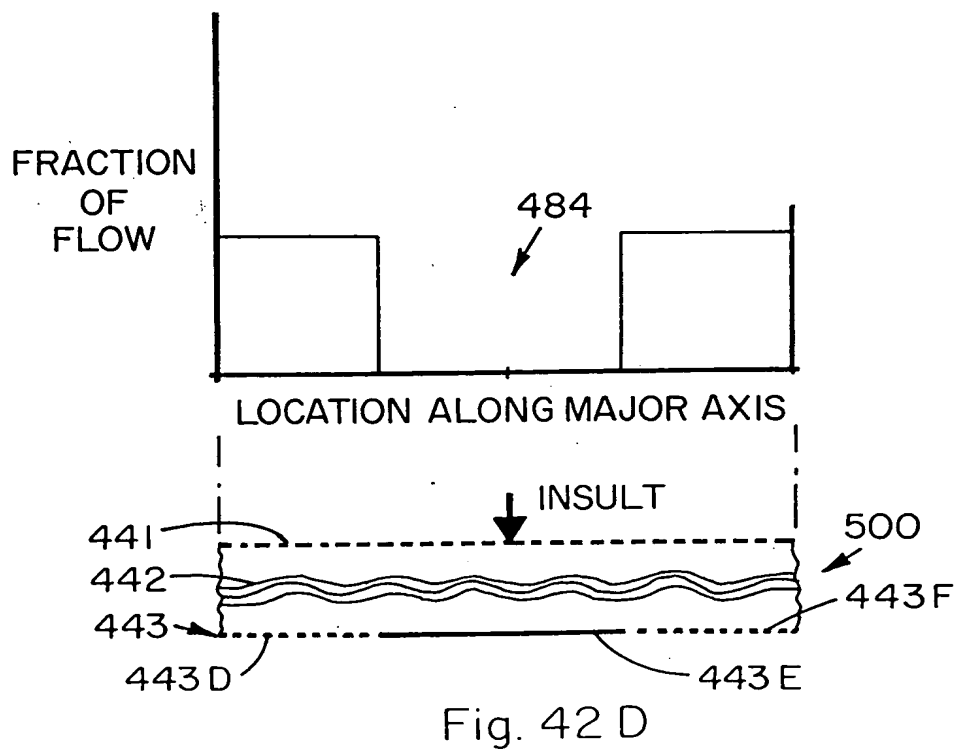
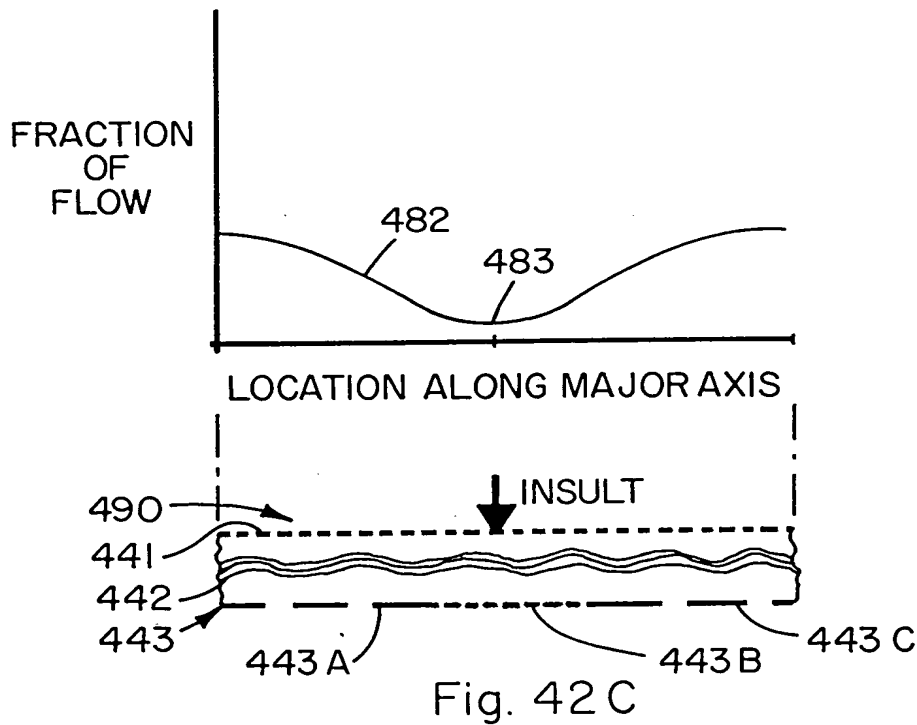


Fig. 42 B





APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

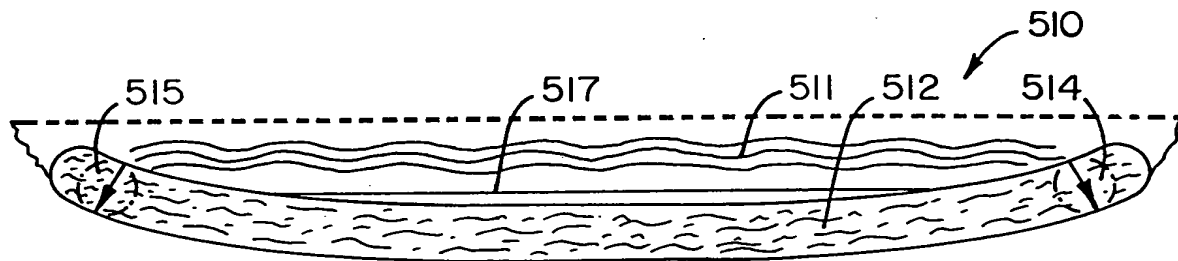


Fig. 43 A

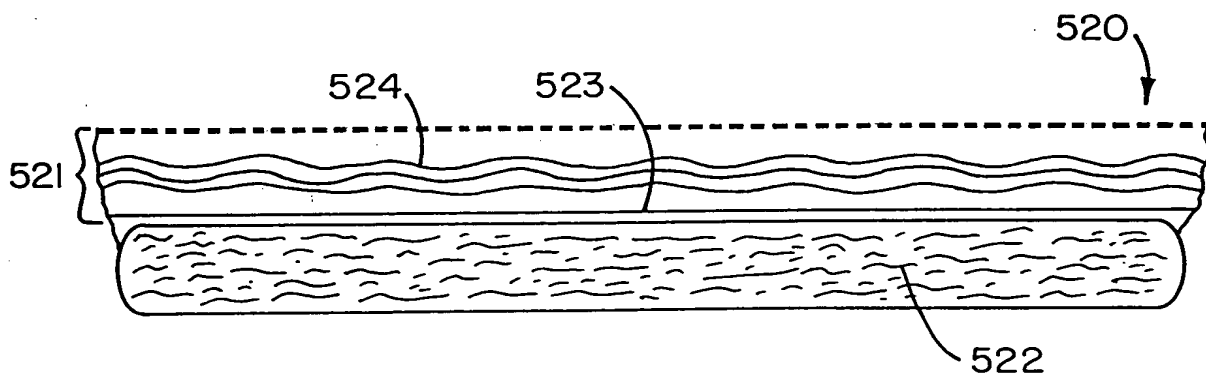


Fig. 43 B

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

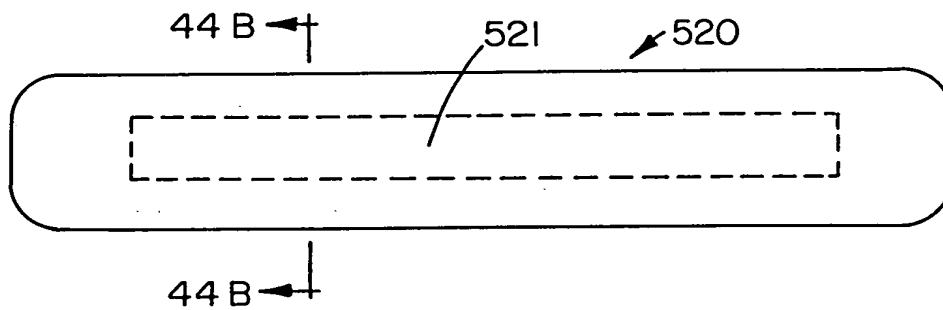


Fig. 44 A

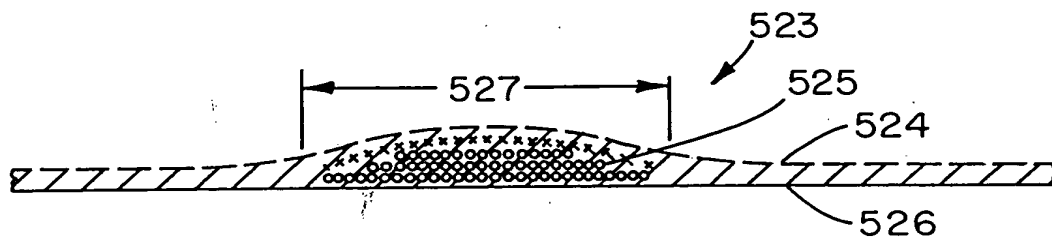


Fig. 44 B

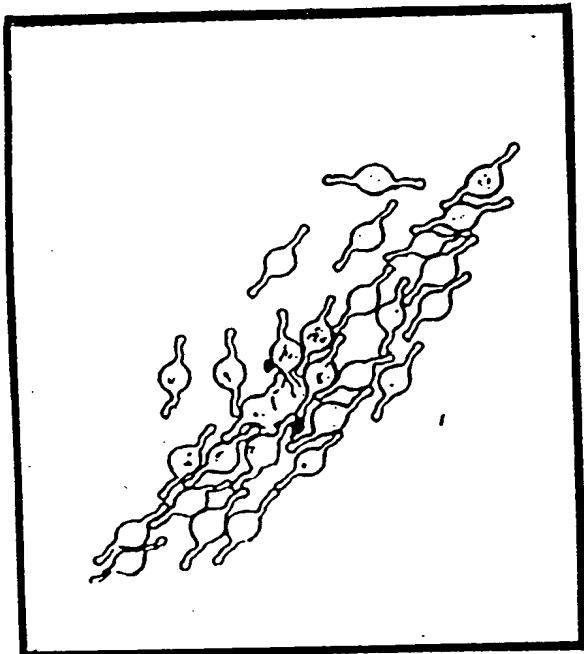


Fig. 45B

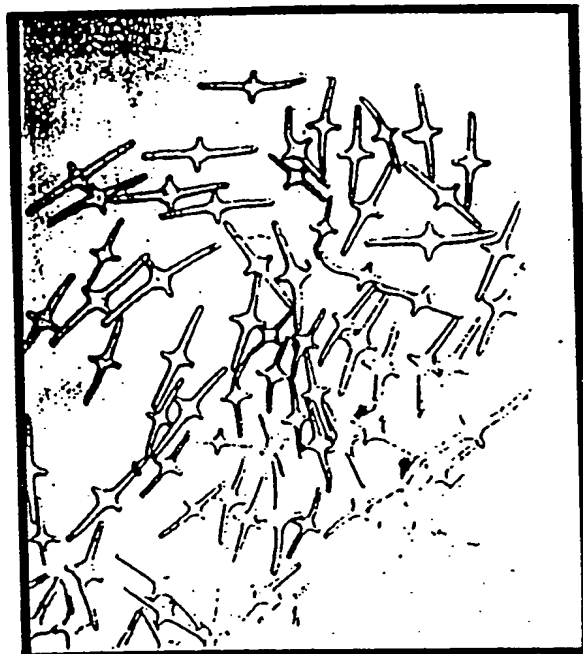
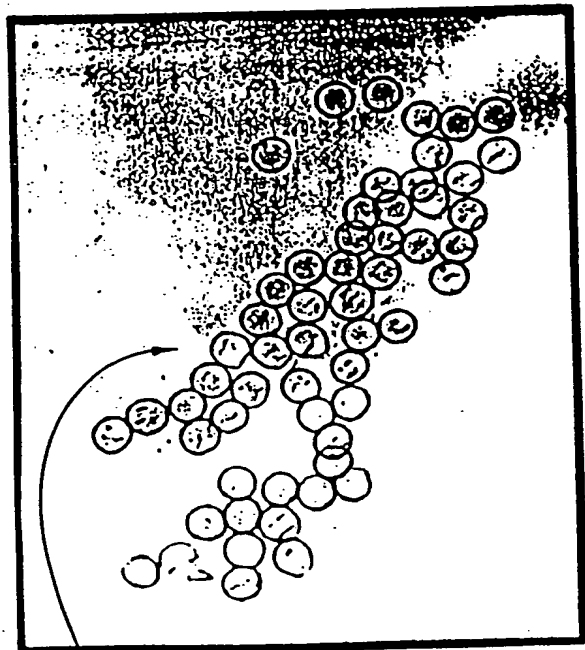


Fig. 45D



530

Fig. 45A

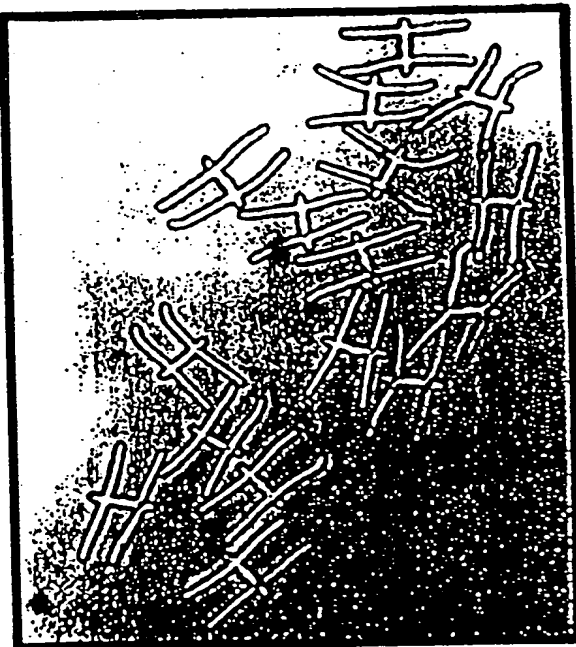


Fig. 45C

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

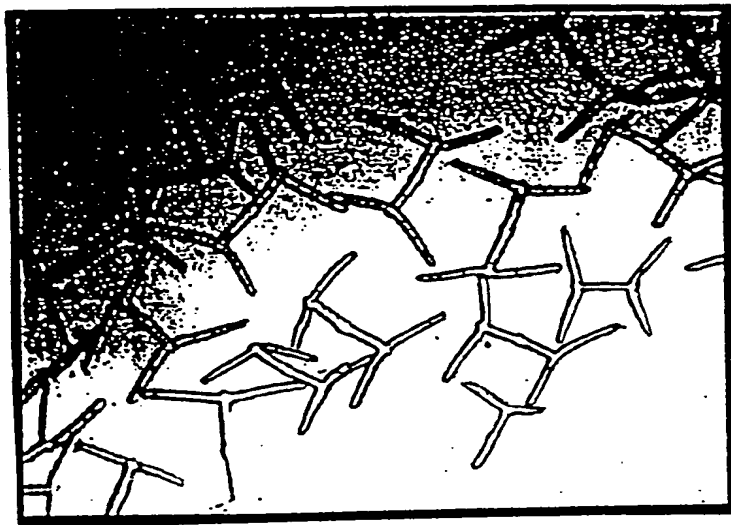


Fig. 46 A

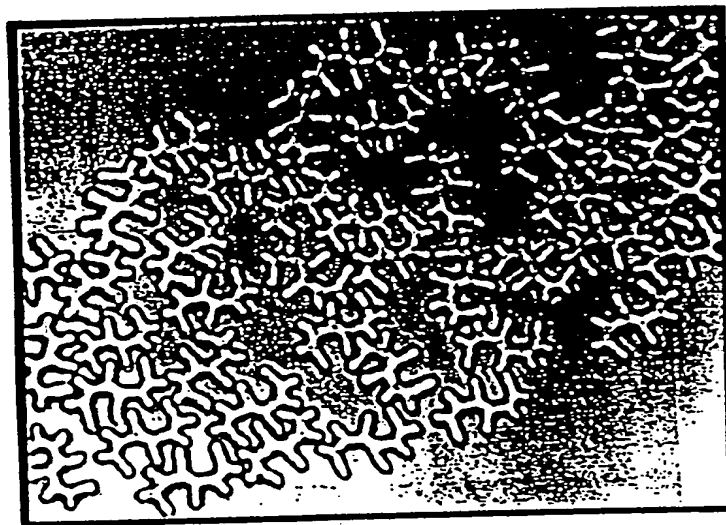


Fig. 46 B

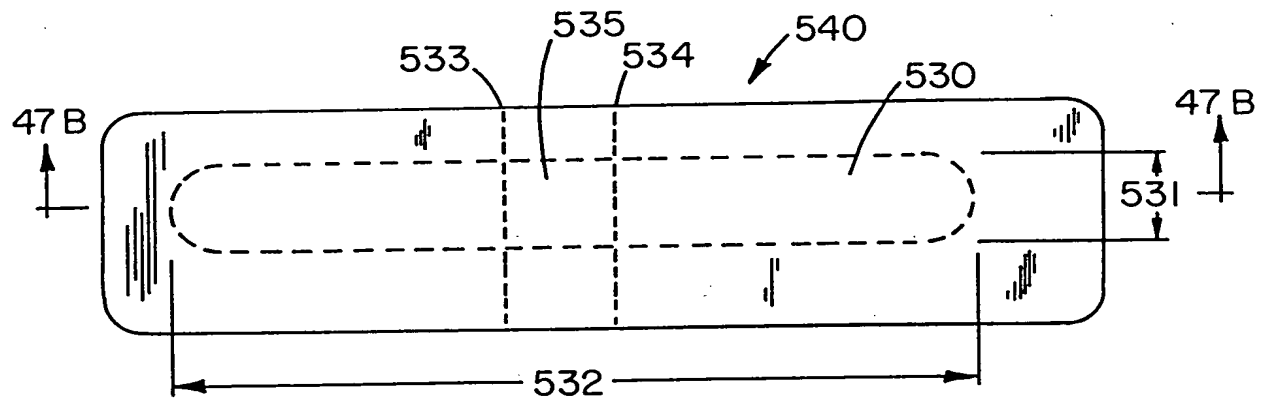


Fig. 47 A

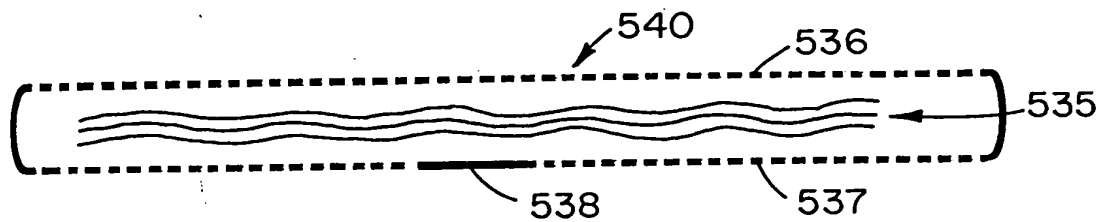


Fig. 47 B

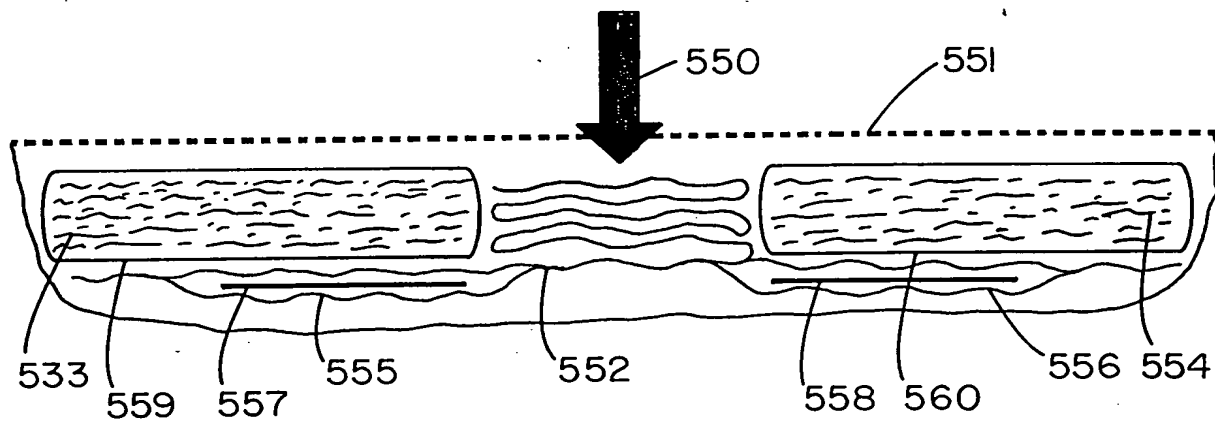


Fig. 48

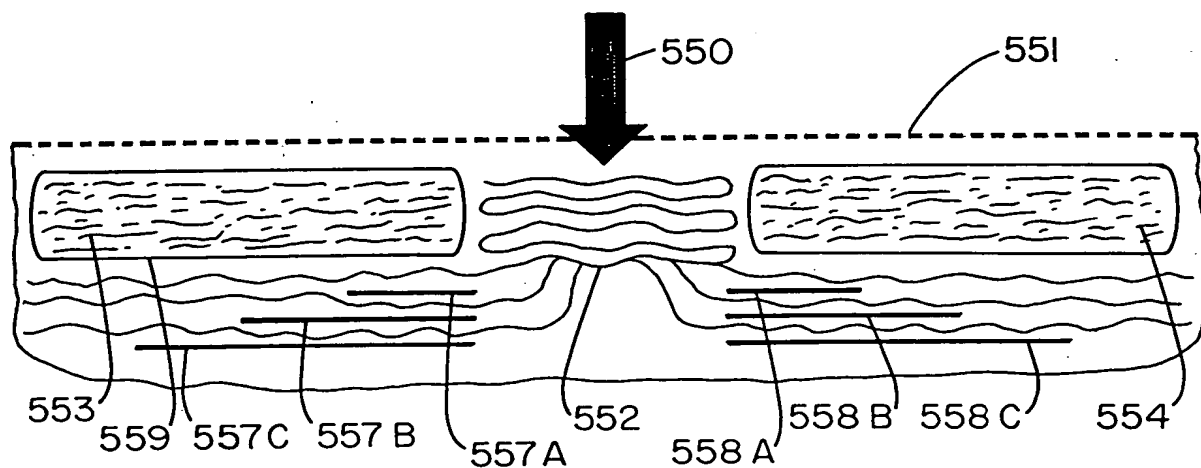


Fig. 49

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

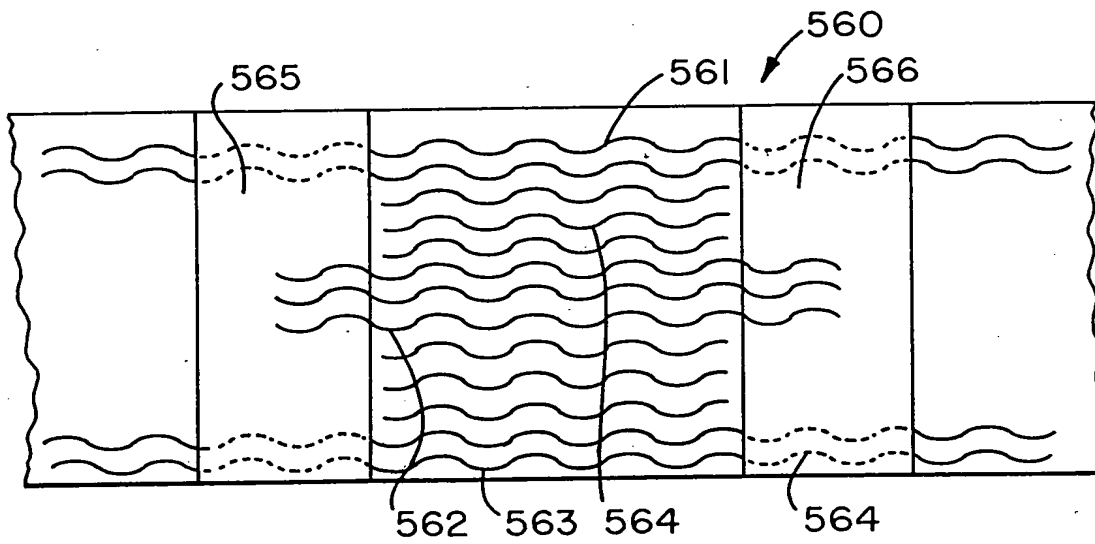


Fig. 50

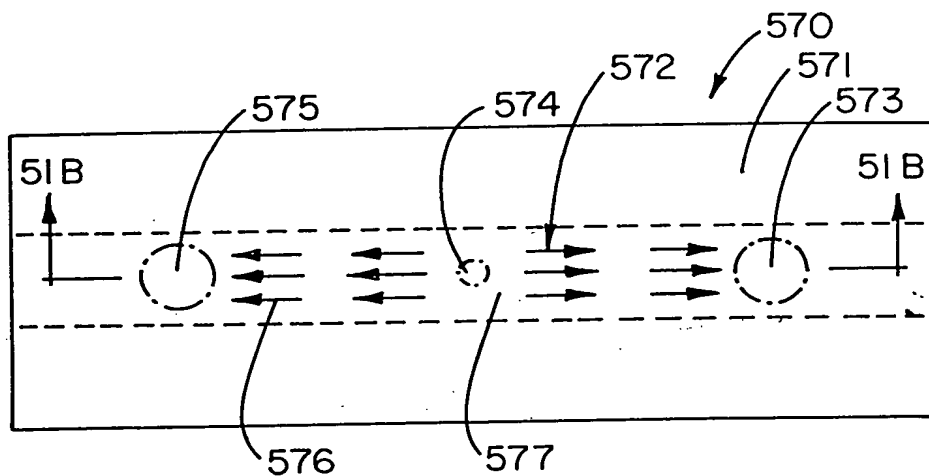


Fig. 5I A

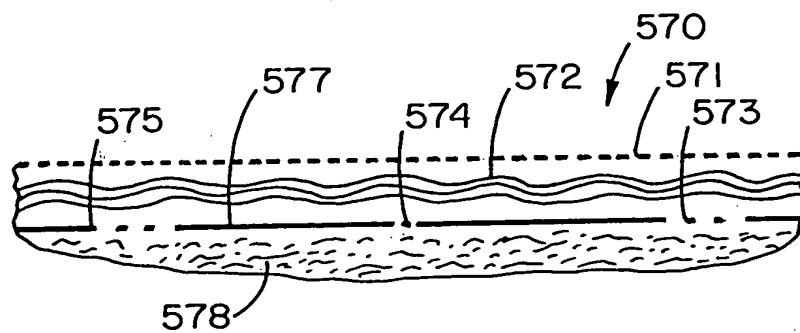


Fig. 5I B



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

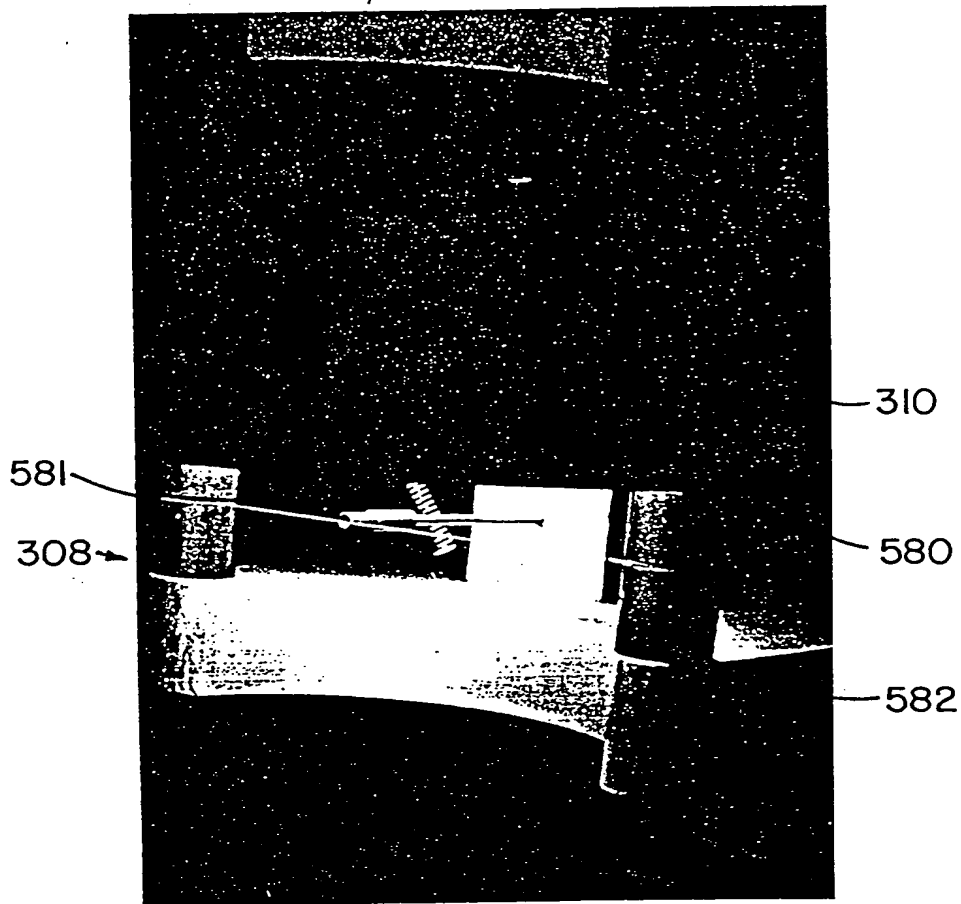


Fig. 52

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

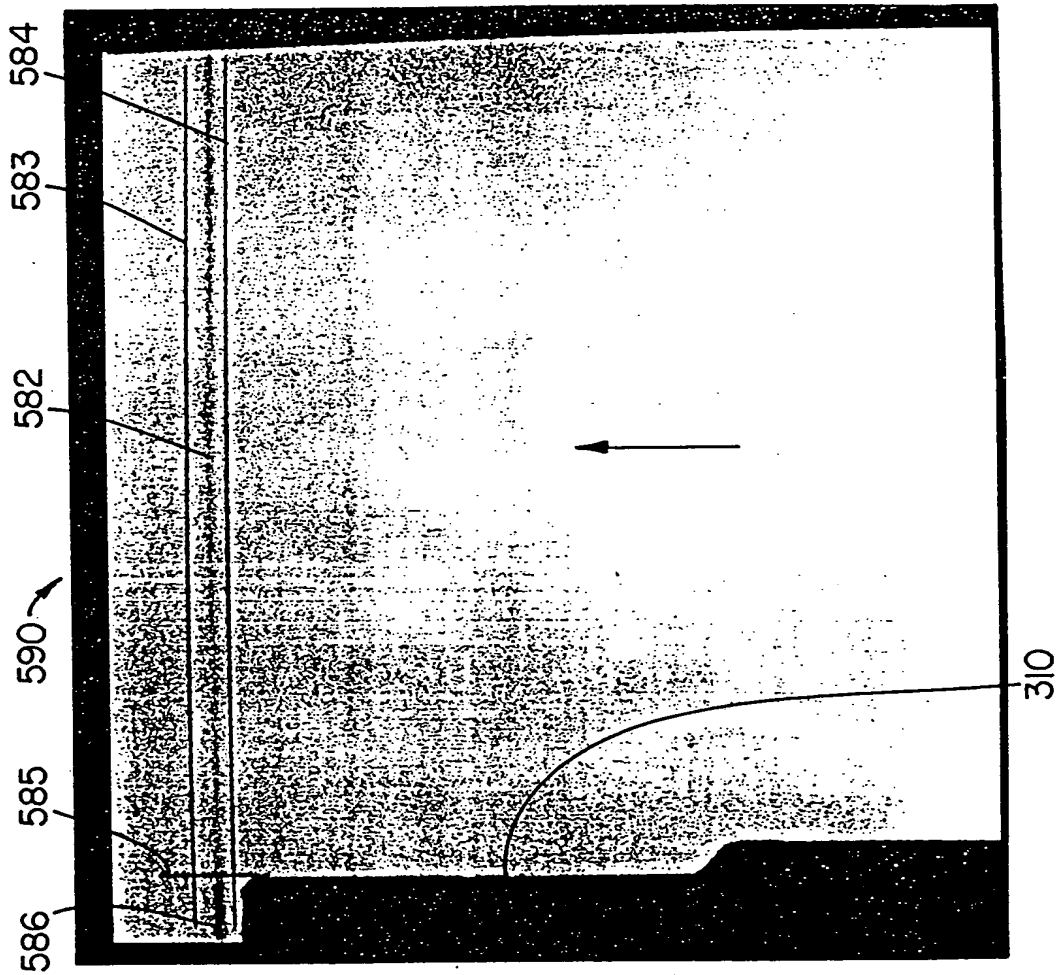


Fig. 53

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

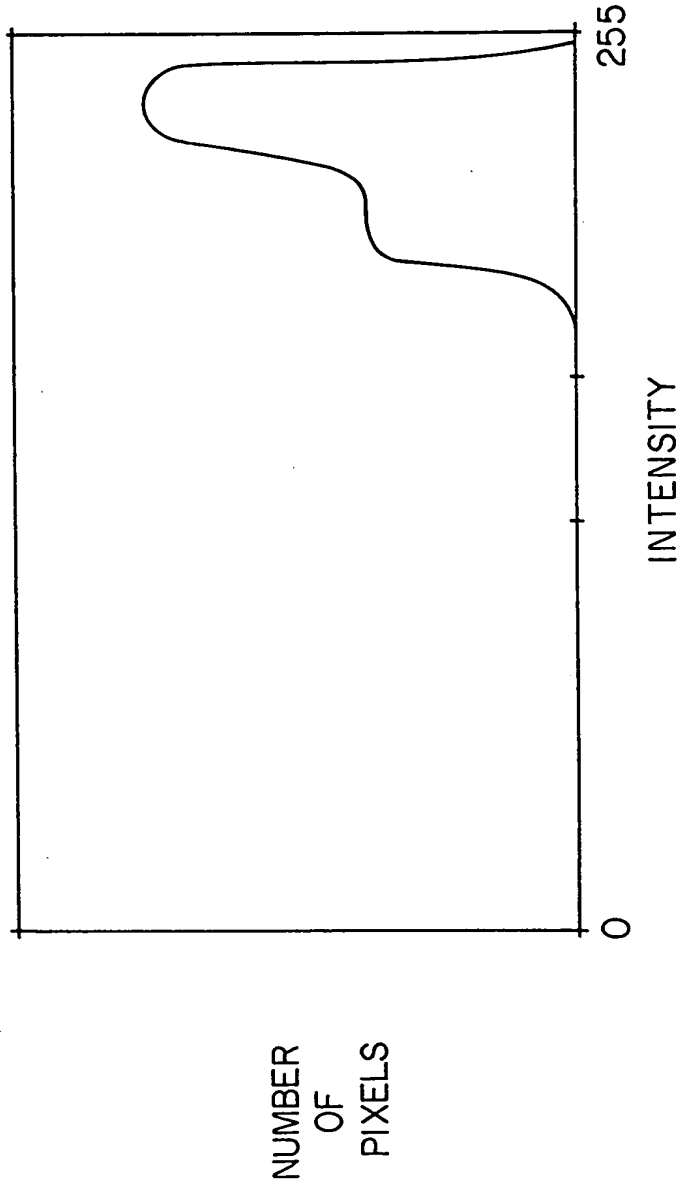


Fig. 54

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

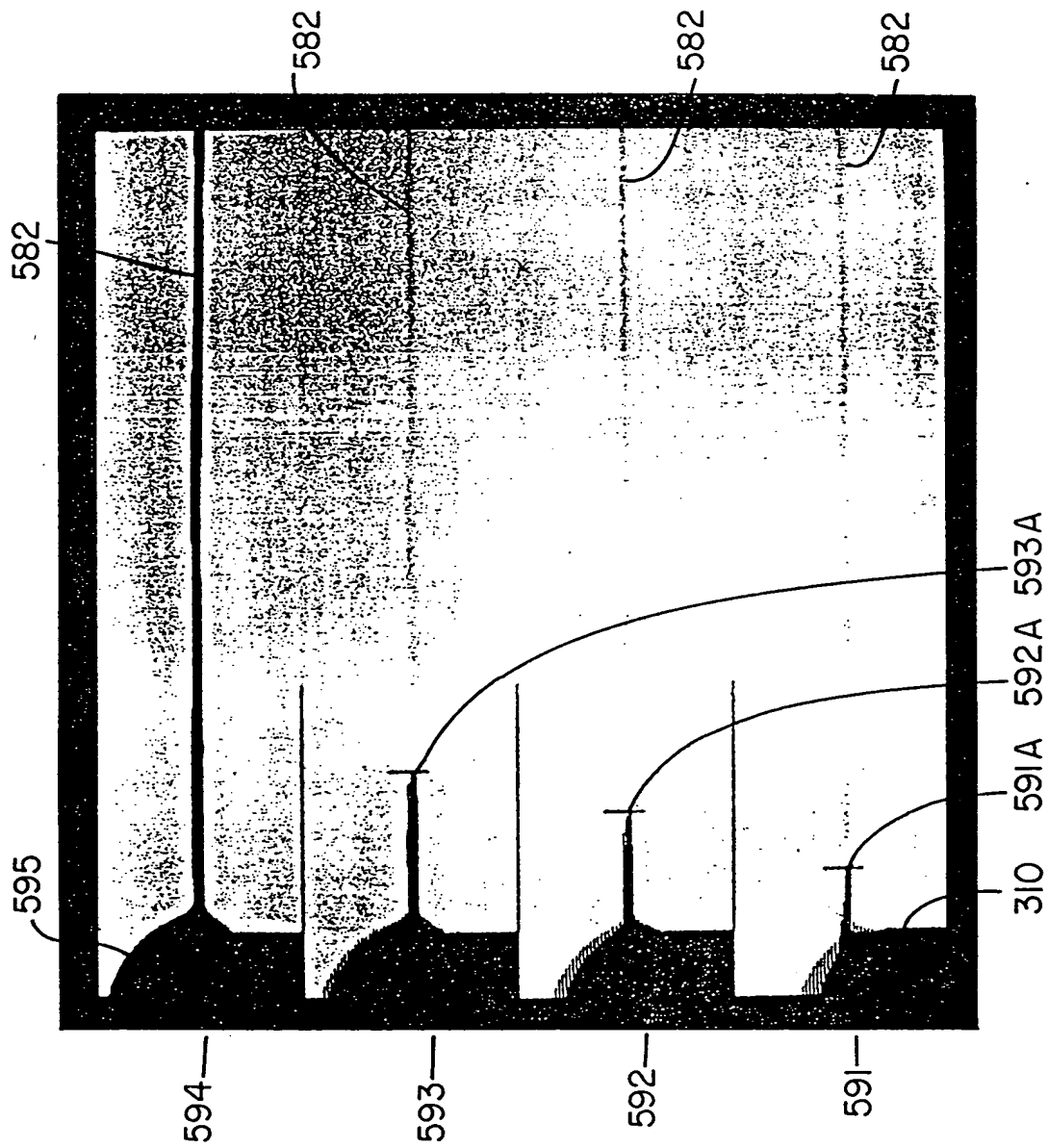


Fig. 55

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

cArea: 4,571.0  
cArea StdDev: 642.0  
dpf: 45.6

UNIT 1, SYLTINT  
TEMP-70/ RH-65%

	Slope	Vo	mpf	b
Avg:	85.4	31.2	1,011.9	69.4
StdDev:	7.2			
CV:	8%			

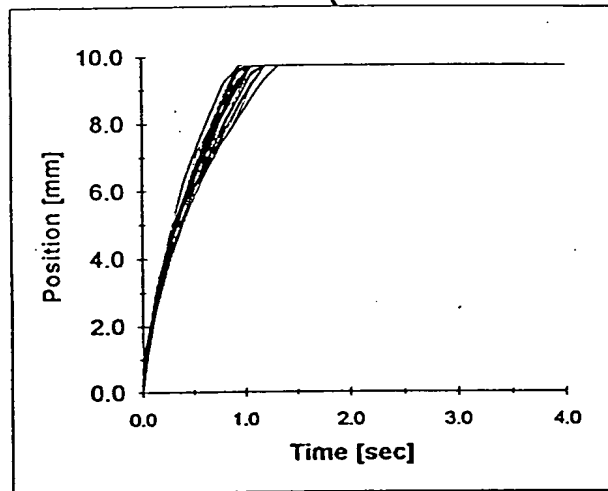
mpf is two way

603

Slopes:

	Wet 1	Wet 2	Wet 3
Flmt 1	86.2	78.4	91.4
Flmt 2	73.7	74.9	87.2
Flmt 3	92.0	93.7	88.4
Flmt 4	76.5	77.1	70.1
Flmt 6	87.5	87.1	89.5
Flmt 6	85.2	89.9	96.4
Flmt 7	82.5	86.8	86.0
Flmt 8	83.8	71.8	78.5
Flmt 9	92.1	91.3	91.1
Flmt 10	92.1	83.5	85.8
Flmt 11	90.5	88.9	89.7
Flmt 12	71.4	80.4	85.7
Flmt 13	88.0	83.7	79.1
Flmt 14	70.2	93.2	84.4
Flmt 16	90.2	102.4	94.2
Flmt 16	91.4	83.2	83.5
Flmt 17			
Flmt 18			
Flmt 19			
Flmt 20			

602



601

Units:

Slope [mm<sup>2</sup>/sec]

Vo [mm/sec] = SQRT(Slope/4T) where T=.022sec

mpf [cm<sup>3</sup>/(gm\*hr)] = 2\*.1620\*cArea\*Vo/dpf

b [cm<sup>4</sup>/(gm\*hr)] = .0081\*cArea\*Slope/dpf

Note: b = .05\*SQRT(T)\*SQRT(Slope)\*mpf

Fig. 56

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

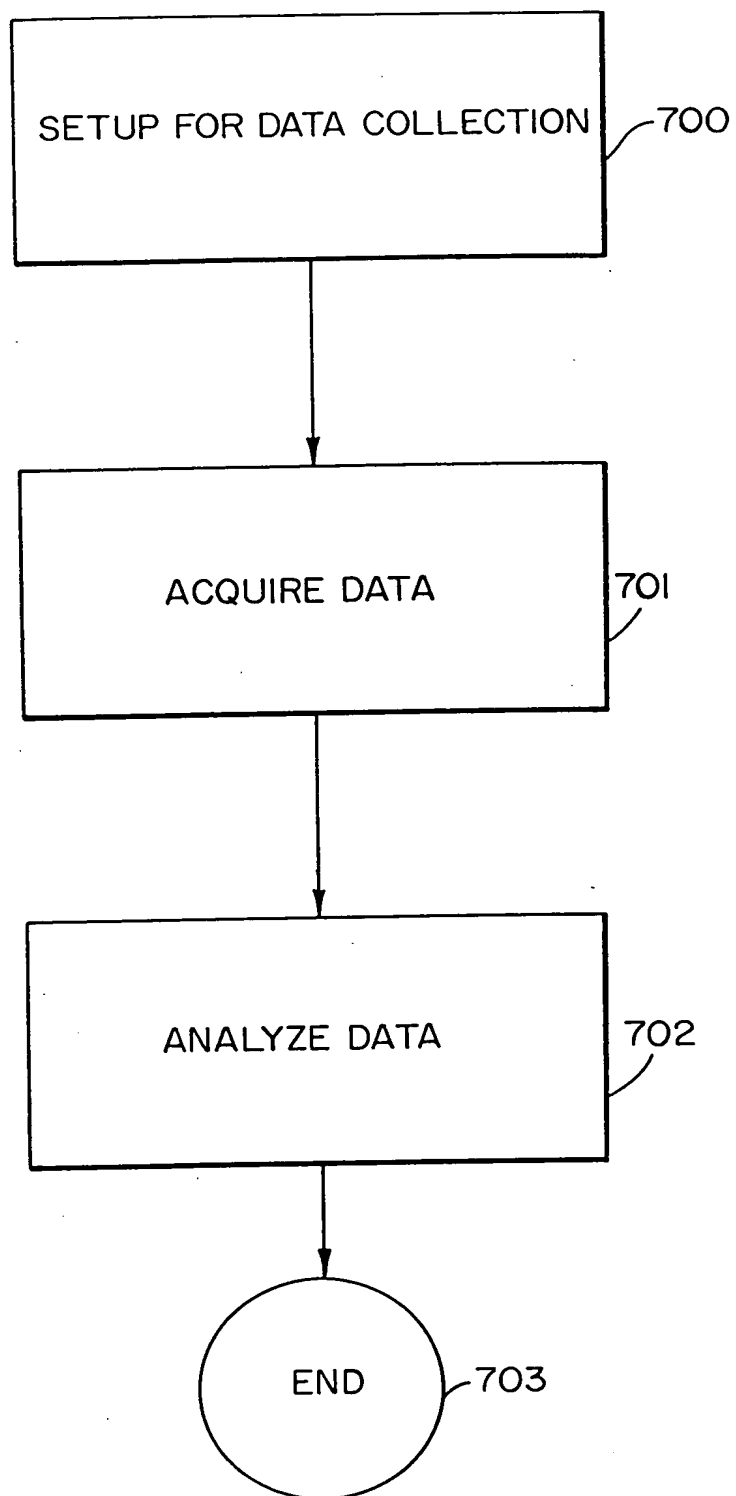


Fig. 57

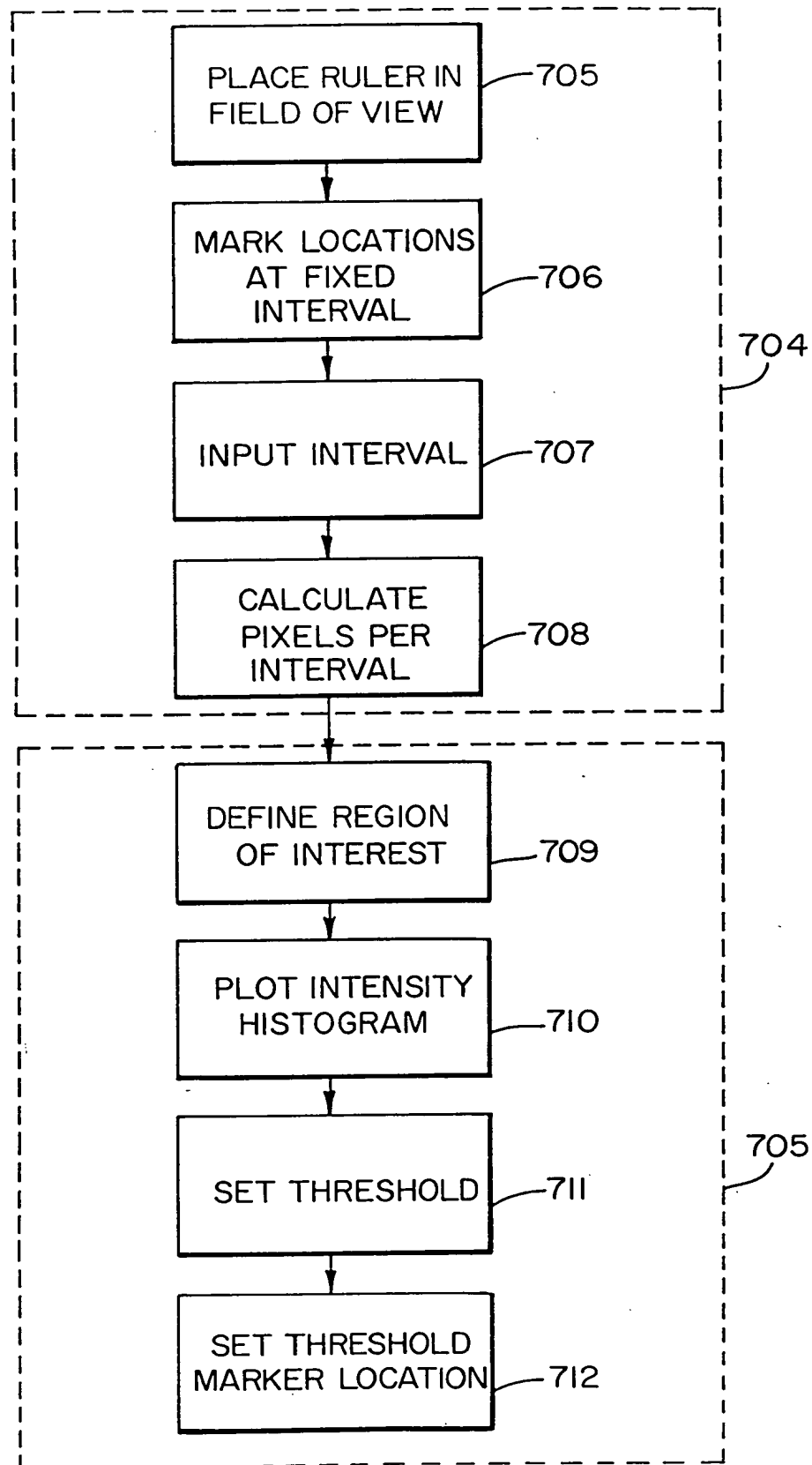


Fig. 58

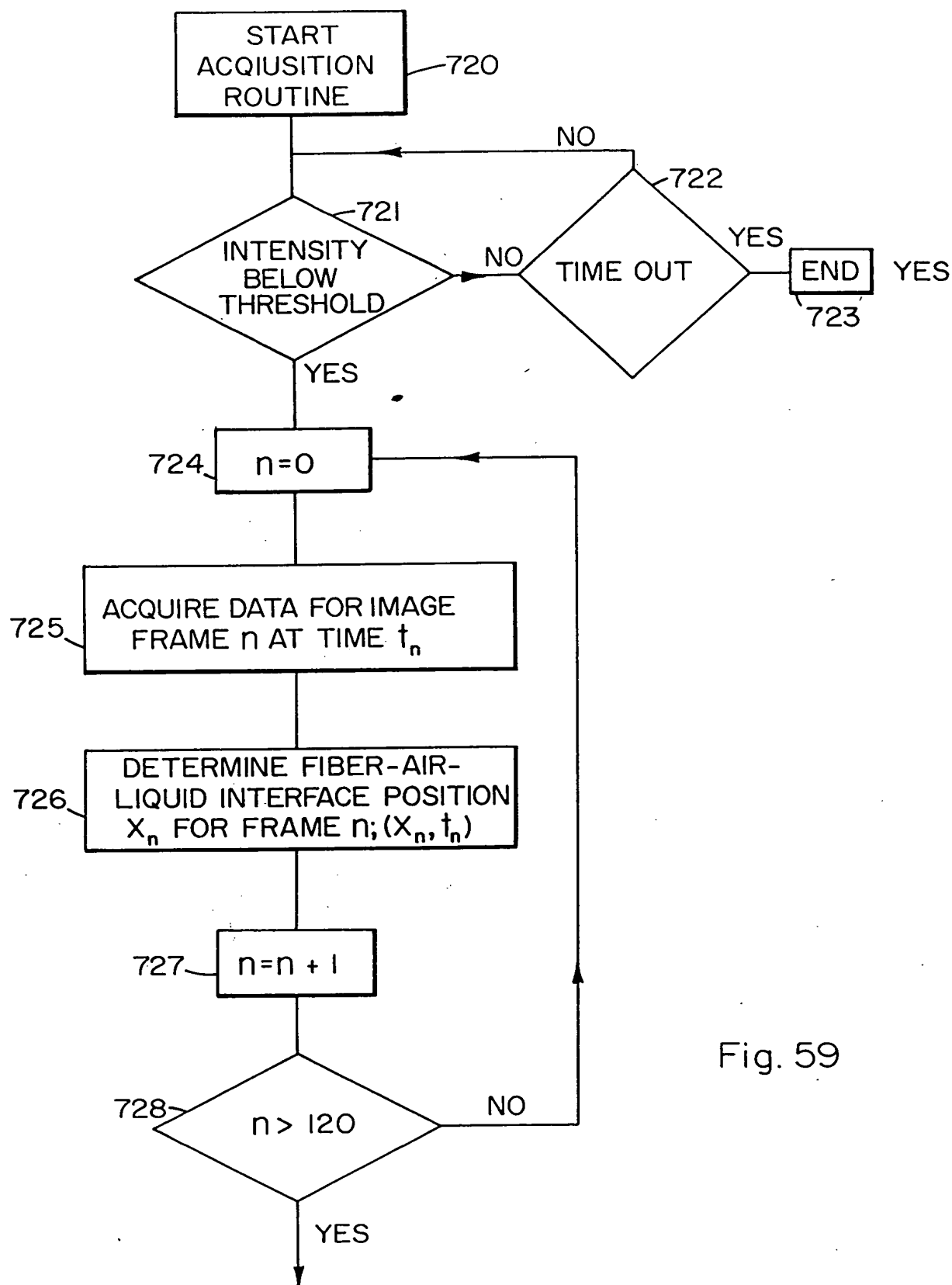


Fig. 59



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

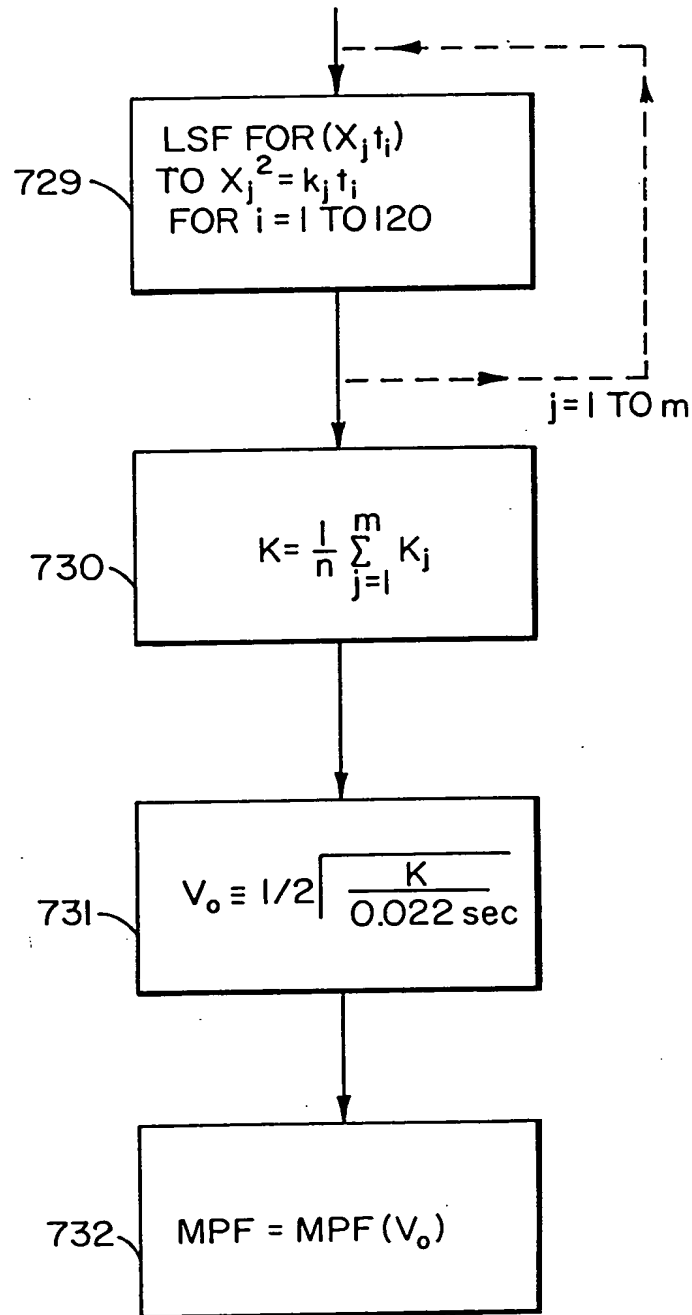


Fig. 60

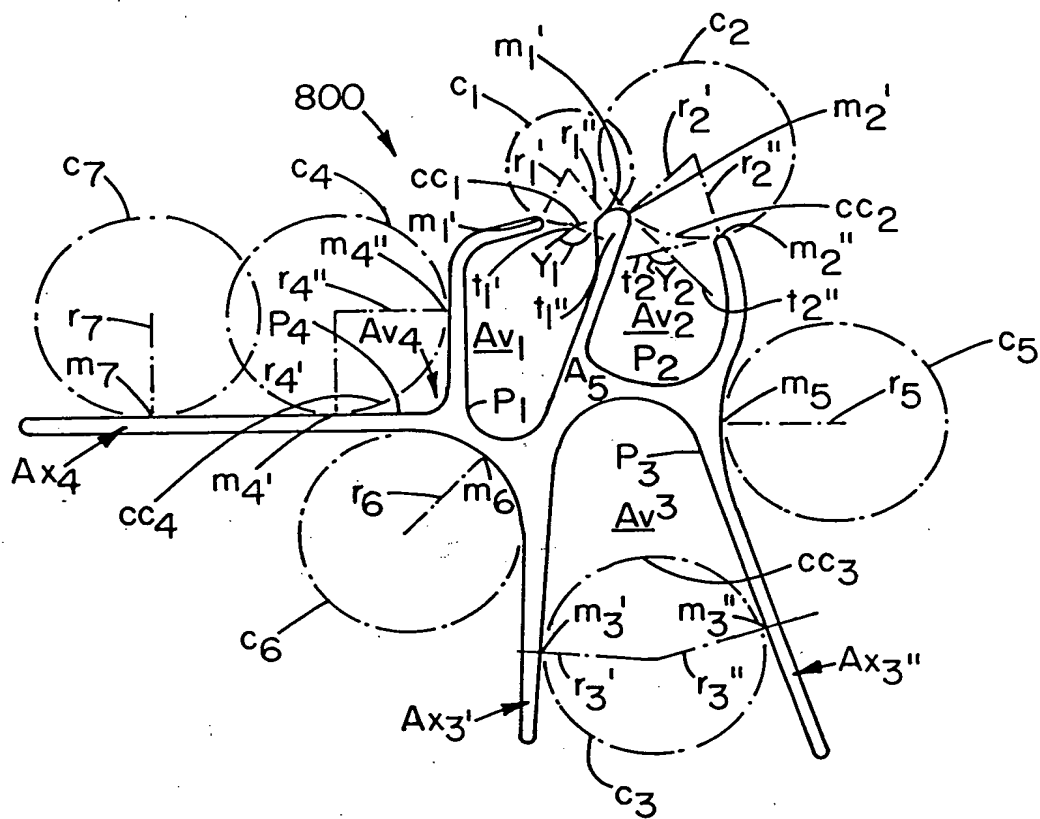


Fig. 61

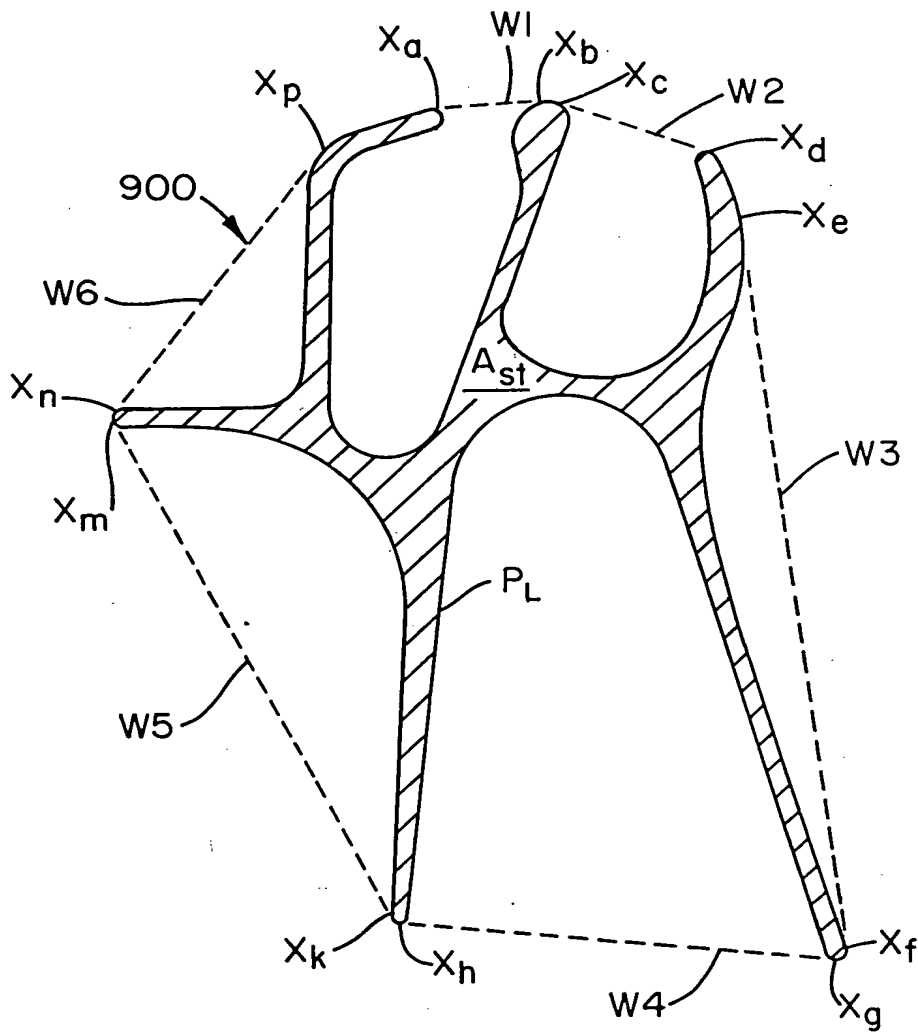


Fig. 62